TOSHIBA

FILE NO. 010-200205

SERVICE MANUAL

COLOUR TELEVISION

F1LP Chassis

44A9UH, 44A9UR

Mar., 2002

TABLE OF CONTENTS

CHAPTER 1 **GENERAL ADJUSTMENTS**

SAFETY INSTRUCTIONS 3
SERVICE MODE 4
DESIGN MODE 7
ELECTRICAL ADJUSTMENTS 8
SCREEN AND MIRROR ALIGNMENTS 10

CHAPTER 2 **SPECIFIC INFORMATIONS**

SETTING & ADJUSTING DATA 11
LOCATION OF CONTROLS 12
PROGRAMMING CHANNEL MEMORY 14
MECHANICAL DISASSEMBLY 17
CHASSIS AND CABINET REPLACEMENT PARTS LIST 21
PC BOARDS BOTTOM VIEW 43
TERMINAL VIEW OF TRANSISTORS 51
CIRCUIT BLOCK DIAGRAM 53
SPECIFICATIONS ..... END
APPENDIX:
CIRCUIT DIAGRAM

CHAPTER 1 GENERAL ADJUSTMENTS

SAFETY INSTRUCTIONS

SAFETY PRECAUTION

WARNING : Service should not be attempted by anyone unfamiliar with the necessary precautions on this receiver. The following are the necessary precautions to be observed before servicing this chassis.

1. An isolation transformer should be connected in the power line between the receiver and the AC line before any service is performed on the receiver.
2. When replacing a chassis in the cabinet, always be certain that all the protective devices are put back in place, such as; non-metallic control knobs, insulating covers, shields, isolation resistor-capacitor network etc.

LAMP REPLACEMENT CAUTION

When replacing the lamp of LCD projection TV, use Lamp Module Kit.
Be sure to read the caution in the instruction manual before replacing.

PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These characteristics are often passed unnoticed by a visual inspection and the protection afforded by them cannot necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this manual and its supplements; electrical components having such features are identified by the international hazard symbols on the schematic diagram and the parts list.
Before replacing any of these components, read the parts list in this manual carefully. The use of substitute replacement parts which do not have the same safety characteristics as specified in the parts list may create shock, fire or other hazards.

SERVICE MODE

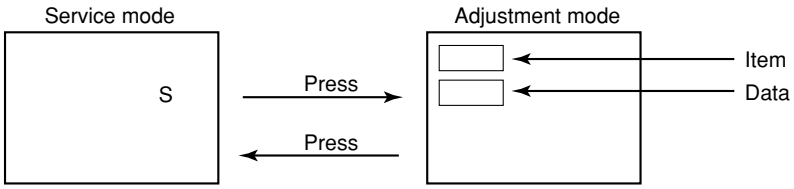
1. ENTERING TO SERVICE MODE

1) Press 🔇 button once on Remote Control.
2) Press 🔇 button again to keep pressing.
3) While pressing the 🔇 button, press MENU button on TV set.

(Service mode display)

2. DISPLAYING THE ADJUSTMENT MENU

1) Press MENU button on TV.



3. KEY FUNCTION IN THE SERVICE MODE

The following key entry during display of adjustment menu provides special functions.

Frequency of lamp replacement	CALL + RGB button
Test signal selection :	⊖ button (on Remote)
Selection of the adjustment items :	Channel ▲/▼ (on TV or Remote)
Change of the data value :	Volume ◿ +/– (on TV or Remote)
Adjustment menu mode ON/OFF :	MENU button (on TV)
Initialization of the memory (QA02) :	CALL + Channel button on TV (▲)
Reset the count of operating protect circuit to "00":	CALL + Channel button on TV (▼)
"CSBRT" selection :	1 button
"SRY" selection :	2 button
"SBY" selection :	3 button
"CNTX" (or "SCNT") selection :	4 button
"COLP" (or "OTHER") selection :	5 button– – – – – Color thickness correction
"TNTC" or "TNTV"selection :	6 button
Test audio signal ON/OFF (1kHz) :	8 button
Self diagnostic display ON/OFF :	9 button

note: Displayed differently as shown below, depending on the setting of the receiving color system.
COLP (PAL)
COLC (NTSC)
COLS (SECAM)

CAUTION : Never try to perform initialization unless you have changed the memory IC.

4. SELECTING THE ADJUSTING ITEMS

1) Every pressing of CHANNEL ▲ button in the service mode changes the adjustment items in the order of table-2. (▼ button for reverse order)

Refer to table-2 for preset data of adjustment mode.
(See SETTING & ADJUSTING DATA on page 11)

5. ADJUSTING THE DATA

1) Pressing of VOLUME ◿ +/– button will change the value of data in the range from 00H to FFH. The variable range depends on the adjusting item.

6. EXIT FROM SERVICE MODE

1) Pressing POWER button to turn off the TV once.

■ INITIALIZATION OF MEMORY DATA OF QA02

After replacing QA02, the following initialization is required.

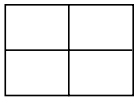
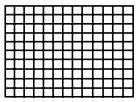
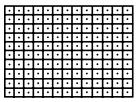
1. Enter the service mode, then select any register item.
2. Press and hold the CALL button on the Remote, then press the CHANNEL ▲ button on the TV. The initialization of QA02 has been complated.
3. Check the picture carefully. If necessary, adjust any adjustment item above. Perform “Auto search Memory” on the owner’s manual.

CAUTION: Never attempt to initialize the data unless QA02 has been replaced.

7. TEST SIGNAL SELECTION

1) Every pressing of ⊖ button on the Remote Control changes the built-in test patterns on screen as described below in SERVICE MODE.

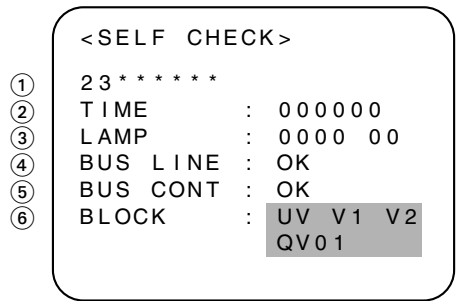
Signal off → NTSC signals (14 patterns)
↑ PAL signals (14 patterns) ←

Signals	Picture
• Red raster • Green raster • Blue raster • All Black • All White	
• Black & White	
• Black cross-bar • White cross-bar • Black cross-bar on green raster	
• Black cross-hatch • White cross-hatch	
• Black cross-dot • White cross-dot	
• H signal (white) • H signal (black)	

***** The signals marked with ▒ are not usable to display in the Test signal for some model.

8. SELF DIAGNOSTIC FUNCTION

1) Press “9” button on Remote Control during display of adjustment menu in the service mode.
   The diagnosis will begin to check if interface among IC’s are executed properly.
2) During diagnosis, the following displays are shown.



Indicated color of mode now selected : Green and Red
Indicated color of other modes : White

Green : Normal
Red : The microcomputer operates to provide judgement of no video signal. The red color is still indicated though the signal is input, failure may exist in input signal line including QV01.
QV01 : In case of indication green ---Normal
In case of indication red with input signal----
Failure may exist in output line including QV01.

NOTE: (1) In case that power indicator is blinking with interval of 1 second; A part of Bus line does not operate normally. Check Bus line.

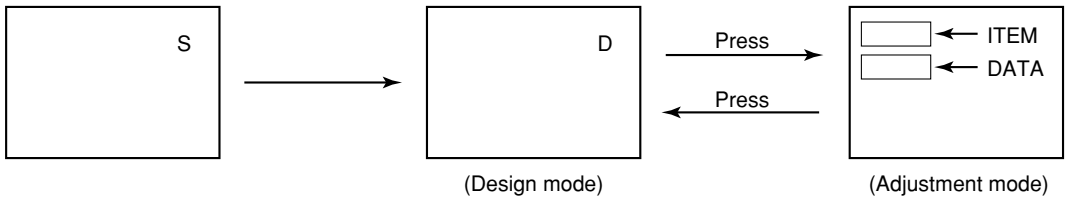
① Part number of microcomputer (QA01)
② Toral hour of turn the TV on.
(unit: H, Max. 999999H)
③ Showing the operation hour of lamp.
(unit H, Max. 9999H)
LAMP : 0000 00
Frequency of lamp replacement.
(0~99)
Showing a count 1 by “CALL + RGB” button in “Service mode.”
④ BUS LINE CHECK---- “OK” is normal.
“SDA1-GND” ---------- SDA-GND short circuit.
“SCL1-GND” ---------- SCL-GND short circuit.
“SCL1-SDA1” --------- SCL-SDA short circuit.
⑤ BUS CONT --- “OK” is normal.
When indication shows “Q ○○○ NG”, the device with the number may possibly be damaged.
⑥ BLOCK
UV : TV reception mode
V1 : VIDEO 1 input mode (→①1)
V2 : VIDEO 2 input mode (→②2)

* The items marked with ▒ are not usable to display in the SELF DIAGNOSTIC FUNCTION for some model.

DESIGN MODE

1. ENTERING TO DESIGN MODE

1) Select the Service mode. 2) While pressing CALL button on Remote and press MENU button on TV. 3) Press MENU button on TV.



(Design mode) (Adjustment mode)

When QA02 is initialized, items “OPT0” and “OPT1” of DESIGN MODE are set to the data of the representative model of this chassis family.
Therefore, because ON-SCREEN specification remains in the state of the representative of model. This model is required to reset the data of items “OPT0” and “OPT1”.

2. SELECTING THE ADJUSTING ITEMS

Every pressing of CHANNEL ▼ button in the design mode changes the adjustment items in the order of table-3. (▲ button for reverse order)

Refer to table-3 for data of design mode.
(See SETTING & ADJUSTING DATA on page 11)

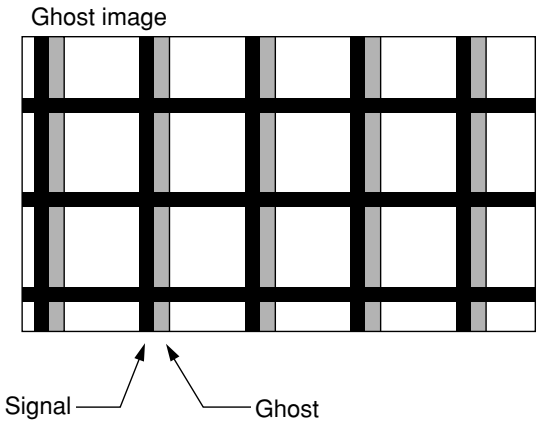
3. ADJUSTING THE DATA

Pressing of VOLUME ▲ or ▼ button will change the value of data.

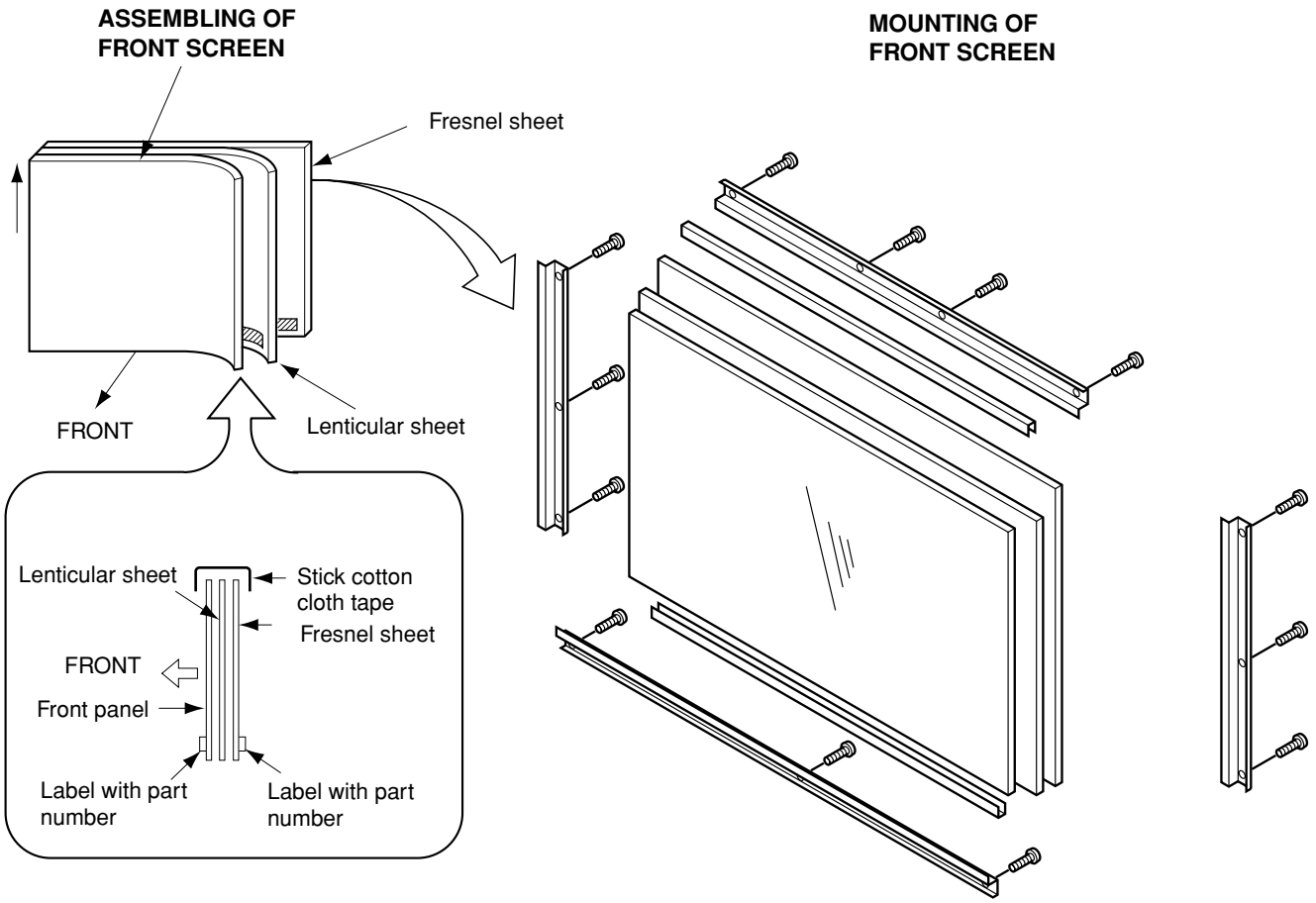
ELECTRICAL ADJUSTMENTS
(Reference factory adjustment)

F1LP Series

ITEMS	INPUT POINT OUTPUT POINT	ADJUSTING SIGNAL	ADJUSTING CONDITIONS AND PROCEDURE PERPENDICULAR
SUB CONTRAST	TP46B	Sub Bright (NTSC) signal	(1) Set user control to DYNAMIC (2) Change SCNT data to adjust SPEC 2.3±0.1 V(p-p)
SUB COLOR NTSC	TP46B	Sub Bright (NTSC) signal	(1) Set user control to DYNAMIC (2) Change COLC data to adjust the 6th peak amplitude of rainbow color bar (amplitude of upper half) SPEC 1.7±0.1 V(p-p)
SUB COLOR PAL	TP46B	Sub Bright (PAL) signal	(1) Set user control to DYNAMIC (2) Change COLP data to adjust the 6th peak amplitude of rainbow color bar (amplitude of upper half) SPEC 1.7±0.1 V(p-p)
SUB COLOR SECAM	TP46B	SECAM color bar signal	(1) Set user control to DYNAMIC (2) Change COLS data to adjust the 6th peak amplitude of SECAM color bar (amplitude of upper half) SPEC 2.0±0.1 V(p-p)
BRIGHTNESS and WHITE BALANCE	Color analyzer (CA110)	100% White signal	It shuold be done after SUB-CONTRAST Adjustment. (1) Set user control to DYNAMIC (2) Select CSBRT (press Pos. 1) to measure the brightness of Normally White. (3) Change CSBRT data for adjust 100% White brightness to A% of Normally White brightness. SPEC A= 70±5 % (4) Set user control to DYNAMIC (5) Change R/G drive data and R/G cutoff data to adjust white balance for High-light and Low-light. RDRV ..... R drive BDRV ..... B drive RMBRT ..... R cutoff BMBRT ..... B cutoff High-light 300±30 cd/m², Low-light 60±6 cd/m² SPEC High-light) x= 0.270±0.005 , y= 0.280±0.005 Low-light) x= 0.270±0.005 , y= 0.280±0.005 (6) Readjust CSBRT like No. (3)

ITEMS	INPUT POINT OUTPUT POINT	ADJUSTING SIGNAL	ADJUSTING CONDITIONS AND PROCEDURE PERPENDICULAR
SUB BRIGHT		Sub Bright (PAL or NTSC) signal	It should be done after White balance Adjustment. (1) Set user control to DYNAMIC (2) Change BRTC data to set black level by eye check. SPEC 4±1.5 Bars
PIP SUB BRIGHT		Sub Bright (PAL or NTSC) signal	It should be done after SUB BRIGHT Adjustment. (1) Set user control to DYNAMIC (2) ChangePYOF data to set black level by eye check. SPEC 4±1.5 Bars
PIP White balance	This item should be done only when PIP White balance is bad.	Sub Bright (PAL or NTSC) signal	(1) Set user control to DYNAMIC (2) Change PIOF, PQOF data to make White balance good by eye check.
VERTICAL POSITION (VPOS)	Visual adjustment by the pattern. (BUS control)	WG PHILIPS PATTERN Don't use the PHILIPS pattern of FRANCE SECAM	It unites by SUB address VPOS so that the vertical position of the circle of the Philips pattern may become in the center
HORIZONTAL POSITION (HPOS)	Visual adjustment by the pattern. (BUS control)	WG PHILIPS PATTERN Don't use the PHILIPS pattern of FRANCE SECAM	It unites by SUB address HPOS so that the right-and-left length bar of the Philips pattern may become equal.
Flicker	FLCK	Screen	(1) Receive a common signal. (2) Select FLCK and adjust flicker minimum.
Ghost	GHST	Screen	(1) Receive a common signal. (2) Select GHST and adjust vertical line blur to minimum. 

SCREEN AND MIRROR ALIGNMENTS



CLEANING OF LENS AND MIRROR

CAUTION : Do not hold the optical system parts (lens and mirror) with bare hand to avoid finger-prints on the surface of those parts.

HOW TO CLEAN LENS AND MIRROR

1. Be sure to remove sand dust with an air brush, etc.
2. When it is stained slightly, breathe upon it and wipe away with the specified cleaning cloth.
   For other stains than the above, wipe the stains away with the specified cloth into which a cleaning liquid has been soaked.

Cleaning liquid ..... **LENS LUSTER** (Manufactured by Edmund Scientific Co.), etc.

HOW TO CLEAN SCREEN

When cleaning the screen, use a soft cloth so as not to damage the screen.

1. Wipe the stain away with a diluted neutral detergent soaked cloth.
2. Wipe the detergent away with a water soaked cloth.
3. Wipe the screen with a dry cloth to remove moisture on the screen.

Note : Absolutely do not use alcohol, benzine, thinner, etc. for cleaning in order not to wipe away the black print on the surface.

CHAPTER 2 SPECIFIC INFORMATIONS

SETTING & ADJUSTING DATA

【SERVICE MODE】

ADJUSTING ITEMS AND DATA IN THE SERVICE MODE:

Item	Name of adjustment	Data
RDRV	R DRIVE	40H
BDRV	B DRIVE	40H
CNTX	SUB CONTRAST MAX	7FH
BRTC	SUB BRIGHTNESS CENTER	80H
COLC	SUB COLOR CENTER NTSC	40H
COLP	SUB COLOR CENTER PAL	40H
COLS	SUB COLOR CENTER SECAM	40H
SCNT	SUB CONTRAST TV	0DH
EVOL	EXT PRE. VOL	00H
VOLS	VOL SCART	75H
FVOL	FM VOL PRE SCALE	15H
NVOL	NICAM VOL PRE SCALE	3CH
NICL	NICAM THRESHOLD LEVEL	03H
NICH	NICAM THRESHOLD LEVEL	0AH
IDL	IGR THRESHOLD LEVEL	04H
IDH	IGR THRESHOLD LEVEL	0EH
EXM	NICAM ON LEVEL	FCH
EMN	NICAM OFF LEVEL	64H
FVDK	—	2AH

Item	Name of adjustment	Data
ITT	—	02H
HOPS	H-POSITION	00H
VPOS	V-POSITION	00H
TNTC	SUB TINT CENTER TV	20H
SBY	SECAM B-Y	04H
SRY	SECAM R-Y	07H
PYOF	PIP Y OFFSET	05H
PIOF	PIP I OFFSET	20H
PQOF	PIP Q OFFSET	20H
CMBRT	—	A9H
RMBRT	—	9AH
BMBRT	—	B0H
CSBRT	—	9FH
FLCK	FLICKER	B4H
GHST	GHOST	08H
SYS	SYSTEM	00H
TNTV	SUB TINT CEN VIDEO	20H
SCNV	SUB CONT VIDEO	0DH

Table-1

【DESIGN MODE】

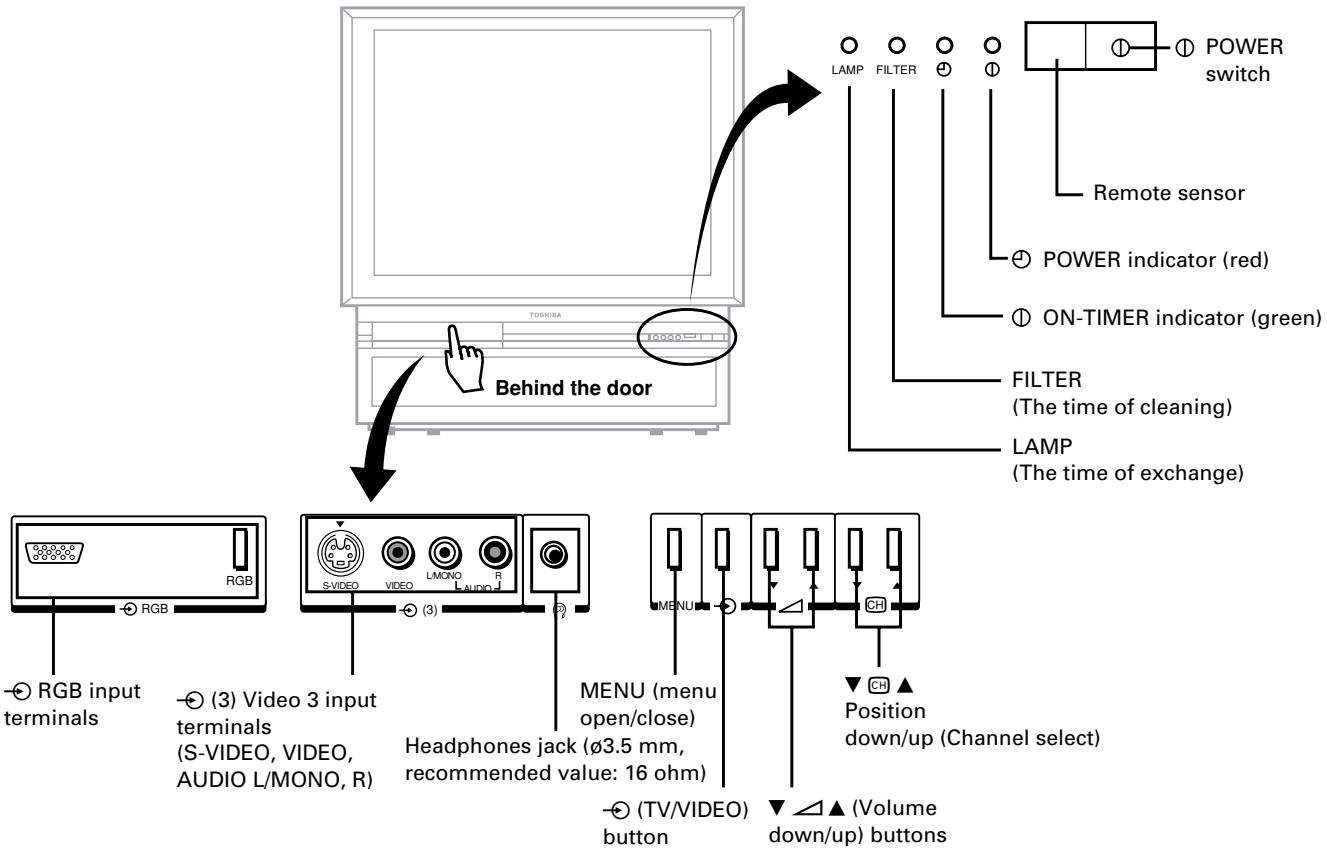
ADJUSTING ITEMS AND DATA IN THE DESIGN MODE:

Item	Name of adjustment	Preset Data	Data
OPT0	OPTION 0	60H	61H
OPT1	OPTION 1	03H	03H

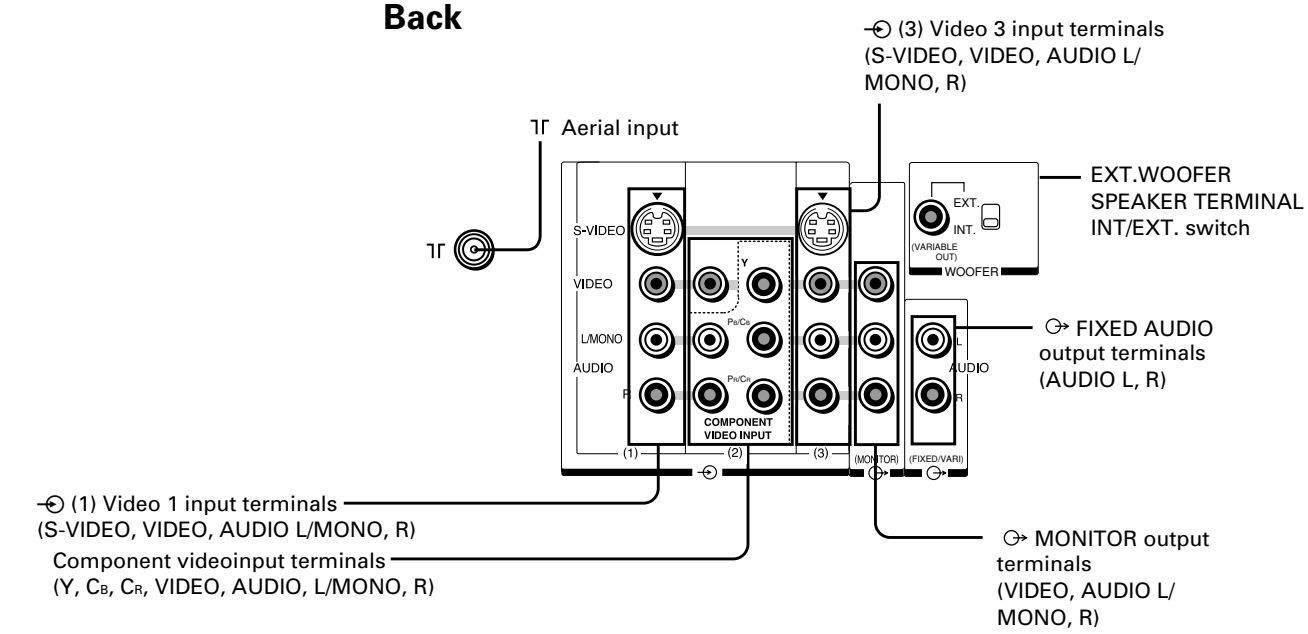
Table-2

LOCATION OF CONTROLS

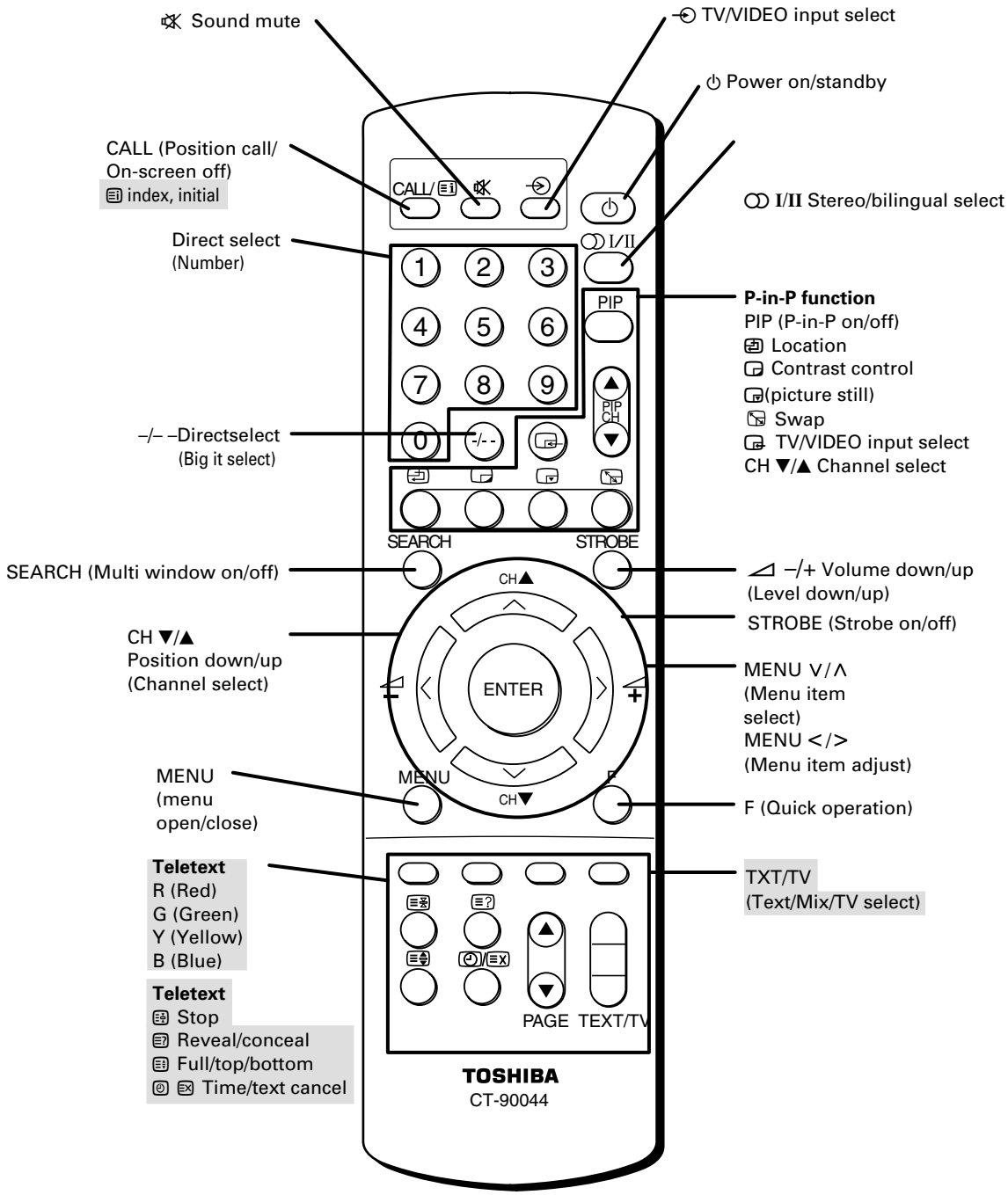
Front



Back



Remote Controller



PROGRAMMING CHANNEL MEMORY

- First, use the ASM (Automatic Search Memory) function to preset all the active channels in your area automatically.
  Then, arrange the preset channels with the MANUAL SEARCH, MFT (Manual Fine Tuning) and SKIP functions so that you can tune into only desired channels.
- This section shows how to tune in channels using mainly the Remote Controller. You can also perform the system select, ASM, MANUAL SEARCH, MFT and SKIP operations

To preset channels (ASM)

ASM (Automatic Search Memory)

1 Select the first position number you want the ASM to start presetting from with the **CH** ▼/▲ buttons or the direct select buttons.

2 Press the **MENU** button repeatedly to call up the SET UP menu on the screen.

3 Confirm that "COLOR" is set to "AUTO" and "SOUND" is set to proper system.
If not, press the **MENU** ▼/▲ (or position ▼/▲) buttons to move the cursor (▶) to "COLOR" or "SOUND" then press the **MENU** –/+ (or◿ –/+) buttons to select the proper systems.

4 Press the **MENU** ▼/▲ (or position ▼/▲) buttons to move the cursor (▶) to "ASM".

5 Press the **MENU** + (or◿ +) button to start the ASM. All active channels will be preset automatically.
When presetting is complete, the initial position number will reappear.

After presetting
Check the preset channels by pressing the **CH** ▼/▲ buttons.
- If the picture or sound of a certain channel is not good, re-tune the channel using the ASM, MANUAL SEARCH or MFT function.
- If the colour of a certain channel is abnormal, the automatic colour system selection (AUTO) may have malfunctioned, or sound system selection is wrong. In such a case, select another colour and/or sound system.

MFT (Manual Fine Tuning)

The adjustments below are not necessary under normal conditions. However, in areas of inferior broadcast conditions where adjustment is necessary for a better picutre, adjust the tuning with the MFT (Manual Fine Tuning).

1 Select the channel you want to fine-tune with the **CH** ▼/▲ buttons or direct select buttons.

2 Press the **MENU** button repeatedly to call up the SET UP menu on the screen.

3 Press the **MENU** ▼/▲ (or position ▼/▲) buttons to move the cursor (▶) to "MFT".
using the buttons on the TV set.

4 Press the **MENU** –/+ (or◿ –/+) buttons until the best possible picture and sound are obtained.
[–]DOWN or [+]UP is highlighted while tuning in.

- Use the MANUAL SEARCH function if desired channels cannot be preset with the ASM or if you would like to preset channels to specific position numbers one by one.
- It is convenient to set the channel numbers to the same position numbers using MANUAL SEARCH and SKIP functions.

To preset channels (Manual search) and skip unnecessary position numbers

Manual search

1 Select a desired position number with the ***CH*** ▼/▲ or direct select buttons.

2 Press the ***MENU*** button repeatedly to call up the SET UP menu on the screen.

3 Press the ***MENU*** ▼/▲ (or position ▼/▲) buttons to move the cursor (▶) to "SEARCH".

4 Press the ***MENU*** –/+ (or◿ –/+)buttons to start searching. The ***MENU*** – (or◿ –) button searches for lower-numbered channels; the ***MENU*** + (or◿ +) button for higher-numbered channels.
Repeat this process until you can get the desired channel.

5 When the desired channel is shown, press the ***MENU*** ▼/▲ buttons (or position ▼/▲) to move the cursor (▶) to "MEMORY".

6 Press the ***MENU*** + (or◿ +) button to store the channel at the current position.

7 When you desire to store another channel at another position, move the cursor (▶) to "POSITION" with the ***MENU*** ▼/▲ (or position ▼/▲)buttons and select a desired position number with the ***MENU*** –/+ (or◿ –/+)buttons. Then, press the ***MENU*** ▼/▲ (or position ▼/▲) buttons to move the cursor (▶) to "SEARCH" and repeat the steps 4 to 7. Or, repeat the steps 1 to 7 after the display disappears.

To skip a position number

After presetting the channels, you may skip unnecessary position numbers so that only the channels you want to watch are selected.

1 Select the position number to be skipped with the ***CH*** ▼/▲ buttons or direct select buttons.

2 Press the ***MENU*** button repeatedly to call up the SET UP menu on the screen.

3 Press the ***MENU*** ▼/▲ (or position ▼/▲) buttons to move the cursor (▶) to "SKIP".

4 Press the ***MENU*** –/+ (or◿ –/+) buttons to select "SKIP ON".

5 Press the ***CALL*** button to turn off the SET UP menu display.
Select the position number to be skipped with the direct select buttons. The * mark appears to the left of the position number.
The position number will then be skipped when you select channels with the ***CH*** ▼/▲ buttons.

To restore a skipped position number

1 Select the position number you want to restore with the direct select buttons.

2 Press the ***MENU*** button to call up the SET UP menu display and press the ***MENU*** ▼/▲ (or position ▼/▲) buttons to move the cursor (▶) to "SKIP".

3 Press the ***MENU*** –/+ (or◿ –/+) buttons to select "SKIP OFF".

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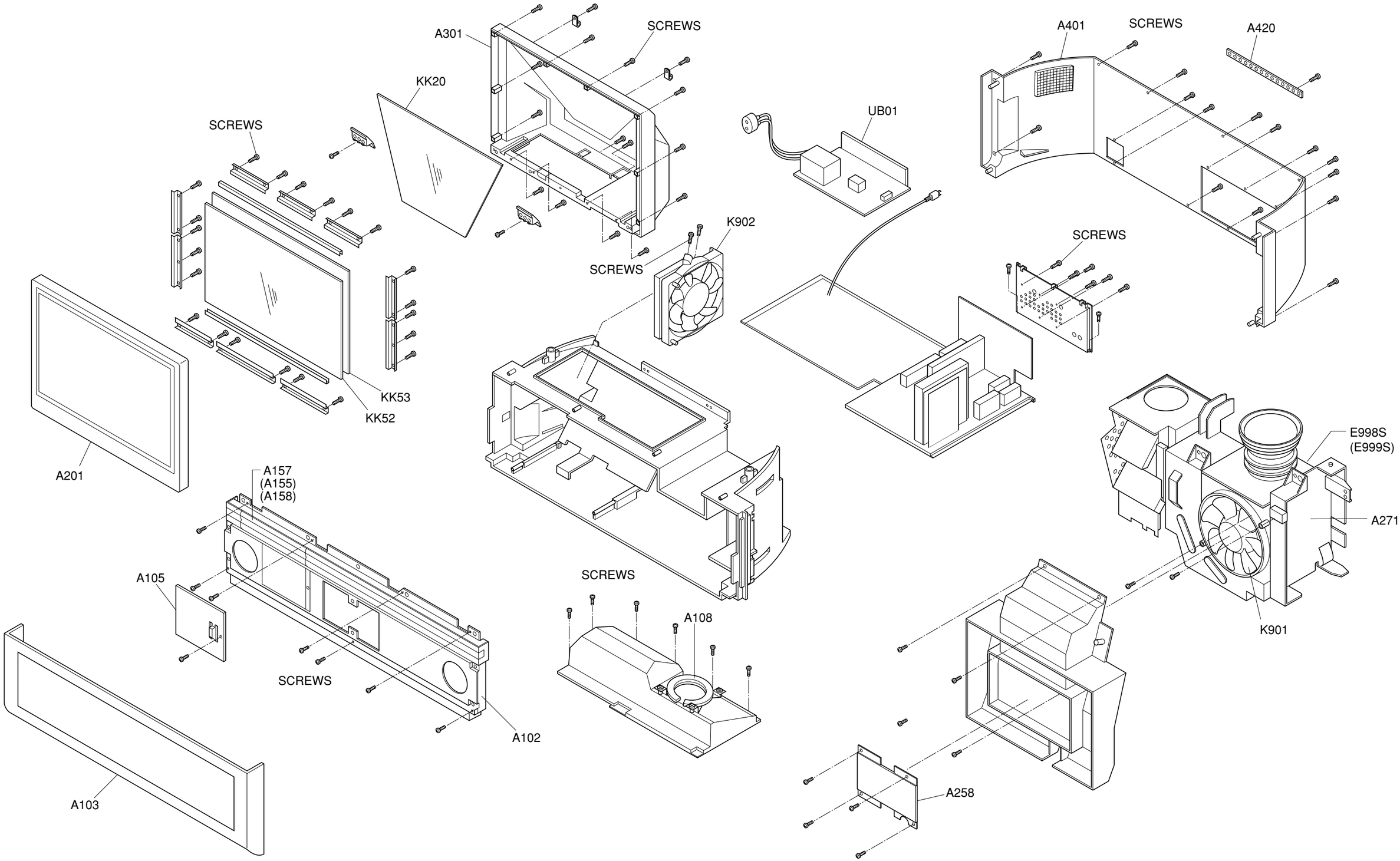
MECHANICAL DISASSEMBLY



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CHASSIS AND CABINET REPLACEMENT PARTS LIST

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON PAGE 3 OF THIS MANUAL.

CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE. Do not degrade the safety of the receiver through improper servicing.

NOTICE:
- *The part number must be used when ordering parts, in order to assist in processing, be sure to include the Model number and Description.*
- *The PC board assembly with * mark is no longer available after the end of the production.*

Model : 44A9UH, 44A9UR

Capacitors	CD	:	Ceramic Disk	PF	:	Plastic Film	EL	: Electrolytic
Resistors	CF	:	Carbon Film	CC	:	Carbon Composition	MF	: Metal Film
	OMF	:	Oxide Metal Film	VR	:	Variable Resistor	FR	: Fusible Resistor

(All CD and PF capacitors are ±5%, 50V and all resistors, ±5%, 1/6W unless otherwise noted.)

Location No.	Parts No.	Description
CAPACITORS		
C101	24092730	CERAMIC CHIP, 16V B 0.1UF K
C102	24092730	CERAMIC CHIP, 16V B 0.1UF K
C102	24100103	CERAMIC CHIP, 50V F 10000PF Z
C103	24092730	CERAMIC CHIP, 16V B 0.1UF K
C103	24100103	CERAMIC CHIP, 50V F 10000PF Z
C104	24092730	CERAMIC CHIP, 16V B 0.1UF K
C105	24109102	CERAMIC CHIP, 50V B 1000PF K
C105	24203220	ELECTROLYTIC, 16V 22UF M 7L 3A
C106	24203220	ELECTROLYTIC, 16V 22UF M 7L 3A
C106	24797100	ELECTROLYTIC, 50V 10UF M
C107	24092730	CERAMIC CHIP, 16V B 0.1UF K
C107	24763221	ELECTROLYTIC, 16V 220UF M
C108	24092730	CERAMIC CHIP, 16V B 0.1UF K
C108	24793101	ELECTROLYTIC, 10V 100UF M
C110	24085969	ELECTROLITIC, NONPOLAR, 16V 22UF M 7L
C111	24105181	CERAMIC CHIP, 50V CH 180PF J
C112	24105271	CERAMIC CHIP, 50V CH 270PF J
C113	24105471	CERAMIC CHIP, 50V CH 470PF J
C114	24203101	ELECTROLYTIC, 16V 100UF M 7L 3A
C115	24092730	CERAMIC CHIP, 16V B 0.1UF K
C115	24100103	CERAMIC CHIP, 50V F 10000PF Z
C116	24763221	ELECTROLYTIC, 16V 220UF M
C117	24100103	CERAMIC CHIP, 50V F 10000PF Z
C119	24109102	CERAMIC CHIP, 50V B 1000PF K
C120	24085969	ELECTROLITIC, NONPOLAR, 16V 22UF M 7L
C121	24105181	CERAMIC CHIP, 50V CH 180PF J
C122	24105820	CERAMIC CHIP, 50V CH 82PF J
C123	24105101	CERAMIC CHIP, 50V CH 100PF J
C125	24092730	CERAMIC CHIP, 16V B 0.1UF K
C130	24085969	ELECTROLITIC, NONPOLAR, 16V 22UF M 7L
C131	24105121	CERAMIC CHIP, 50V CH 120PF J
C132	24105151	CERAMIC CHIP, 50V CH 150PF J
C133	24105331	CERAMIC CHIP, 50V CH 330PF J
C135	24092730	CERAMIC CHIP, 16V B 0.1UF K
C140	24085969	ELECTROLITIC, NONPOLAR, 16V 22UF M 7L
C141	24105121	CERAMIC CHIP, 50V CH 120PF J
C142	24105151	CERAMIC CHIP, 50V CH 150PF J

Location No.	Parts No.	Description
C143	24105331	CERAMIC CHIP, 50V CH 330PF J
C145	24092730	CERAMIC CHIP, 16V B 0.1UF K
C150	24203220	ELECTROLYTIC, 16V 22UF M 7L 3A
C151	24203220	ELECTROLYTIC, 16V 22UF M 7L 3A
C152	24203220	ELECTROLYTIC, 16V 22UF M 7L 3A
C153	24203220	ELECTROLYTIC, 16V 22UF M 7L 3A
C154	24092730	CERAMIC CHIP, 16V B 0.1UF K
C155	24092730	CERAMIC CHIP, 16V B 0.1UF K
C156	24092730	CERAMIC CHIP, 16V B 0.1UF K
C157	24092730	CERAMIC CHIP, 16V B 0.1UF K
C158	24092616	CERAMIC CHIP, 16V B 330000PF K
C159	24092616	CERAMIC CHIP, 16V B 330000PF K
C160	24092616	CERAMIC CHIP, 16V B 330000PF K
C161	24092616	CERAMIC CHIP, 16V B 330000PF K
C162	24092616	CERAMIC CHIP, 16V B 330000PF K
C163	24092616	CERAMIC CHIP, 16V B 330000PF K
C164	24203220	ELECTROLYTIC, 16V 22UF M 7L 3A
C165	24092730	CERAMIC CHIP, 16V B 0.1UF K
C166	24203220	ELECTROLYTIC, 16V 22UF M 7L 3A
C167	24092730	CERAMIC CHIP, 16V B 0.1UF K
C168	24203470	ELECTROLYTIC, 16V 47UF M 7L 3A
C169	24092730	CERAMIC CHIP, 16V B 0.1UF K
C176	24092730	CERAMIC CHIP, 16V B 0.1UF K
C177	24092730	CERAMIC CHIP, 16V B 0.1UF K
C178	24092730	CERAMIC CHIP, 16V B 0.1UF K
C179	24203100	ELECTORLYTIC, 16V 10UF M 7L 3A
C180	24092730	CERAMIC CHIP, 16V B 0.1UF K
C181	24105101	CERAMIC CHIP, 50V CH 100PF J
C184	24105101	CERAMIC CHIP, 50V CH 100PF J
C185	24105101	CERAMIC CHIP, 50V CH 100PF J
C186	24105101	CERAMIC CHIP, 50V CH 100PF J
C190	24100103	CERAMIC CHIP, 50V F 10000PF Z
C199	24794221	ELECTROIYTIC, 16V 220UF M
C201	24092730	CERAMIC CHIP, 16V B 0.1UF K
C201	24092730	CERAMIC CHIP, 16V B 0.1UF K
C202	24092730	CERAMIC CHIP, 16V B 0.1UF K
C203	24092730	CERAMIC CHIP, 16V B 0.1UF K
C203	24092730	CERAMIC CHIP, 16V B 0.1UF K
C204	24092730	CERAMIC CHIP, 16V B 0.1UF K
C204	24797010	ELECTROLYTIC, 50V 1UF M
C205	24092730	CERAMIC CHIP, 16V B 0.1UF K
C205	24797229	ELECTROLYTIC, 50V 2.2UF M

Location No.	Parts No.	Description
C206	24203470	ELECTROLYTIC, 16V 47UF M 7L 3A
C207	24092730	CERAMIC CHIP, 16V B 0.1UF K
C207	24108100	CERAMIC CHIP, 50V SL 10PF D
C208	24105330	CERAMIC CHIP, 50V CH 33PF J
C208	24108100	CERAMIC CHIP, 50V SL 10PF D
C209	24108100	CERAMIC CHIP, 50V SL 10PF D
C210	24797010	ELECTROLYTIC, 50V 1UF M
C211	24105330	CERAMIC CHIP, 50V CH 33PF J
C212	24092730	CERAMIC CHIP, 16V B 0.1UF K
C212	24794101	ELECTROLYTIC, 16V 100UF M
C213	24000445	CHIP JUMPER, 1608TYPE
C214	24092730	CERAMIC CHIP, 16V B 0.1UF K
C214	24000445	CHIP JUMPER, 1608TYPE
C215	24203470	ELECTROLYTIC, 16V 47UF M 7L 3A
C215	24000445	CHIP JUMPER, 1608TYPE
C216	24092730	CERAMIC CHIP, 16V B 0.1UF K
C218	24092730	CERAMIC CHIP, 16V B 0.1UF K
C219	24092730	CERAMIC CHIP, 16V B 0.1UF K
C220	24092730	CERAMIC CHIP, 16V B 0.1UF K
C220	24794101	ELECTROLYTIC, 16V 100UF M
C221	24092730	CERAMIC CHIP, 16V B 0.1UF K
C222	24092730	CERAMIC CHIP, 16V B 0.1UF K
C230	24203470	ELECTROLYTIC, 16V 47UF M 7L 3A
C231	24203470	ELECTROLYTIC, 16V 47UF M 7L 3A
C232	24092730	CERAMIC CHIP, 16V B 0.1UF K
C233	24092730	CERAMIC CHIP, 16V B 0.1UF K
C234	24092538	CERAMIC CHIP, 10V F 1UF Z
C235	24092538	CERAMIC CHIP, 10V F 1UF Z
C236	24092730	CERAMIC CHIP, 16V B 0.1UF K
C237	24092538	CERAMIC CHIP, 10V F 1UF Z
C238	24092538	CERAMIC CHIP, 10V F 1UF Z
C239	24092730	CERAMIC CHIP, 16V B 0.1UF K
C240	24092538	CERAMIC CHIP, 10V F 1UF Z
C241	24203470	ELECTROLYTIC, 16V 47UF M 7L 3A
C242	24092730	CERAMIC CHIP, 16V B 0.1UF K
C243	24092538	CERAMIC CHIP, 10V F 1UF Z
C244	24092538	CERAMIC CHIP, 10V F 1UF Z
C245	24092538	CERAMIC CHIP, 10V F 1UF Z
C246	24092538	CERAMIC CHIP, 10V F 1UF Z
C247	24092538	CERAMIC CHIP, 10V F 1UF Z
C248	24092730	CERAMIC CHIP, 16V B 0.1UF K
C249	24092538	CERAMIC CHIP, 10V F 1UF Z
C250	24203470	ELECTROLYTIC, 16V 47UF M 7L 3A
C251	24203470	ELECTROLYTIC, 16V 47UF M 7L 3A
C252	24092730	CERAMIC CHIP, 16V B 0.1UF K
C253	24203470	ELECTROLYTIC, 16V 47UF M 7L 3A
C254	24203470	ELECTROLYTIC, 16V 47UF M 7L 3A
C255	24092730	CERAMIC CHIP, 16V B 0.1UF K
C256	24092538	CERAMIC CHIP, 10V F 1UF Z
C257	24092538	CERAMIC CHIP, 10V F 1UF Z
C258	24092730	CERAMIC CHIP, 16V B 0.1UF K
C259	24092730	CERAMIC CHIP, 16V B 0.1UF K
C260	24092730	CERAMIC CHIP, 16V B 0.1UF K
C261	24092730	CERAMIC CHIP, 16V B 0.1UF K
C262	24092730	CERAMIC CHIP, 16V B 0.1UF K
C263	24092730	CERAMIC CHIP, 16V B 0.1UF K
C263	24797470	ELECTROLYTIC, 50V 47UF M
C264	24794100	ELECTROLYTIC, 16V 10UF M
C265	24092730	CERAMIC CHIP, 16V B 0.1UF K
C265	24794220	ELECTROLYTIC, 16V 22UF M
C266	24794220	ELECTROLYTIC, 16V 22UF M
C267	24794220	ELECTROLYTIC, 16V 22UF M
C268	24794220	ELECTROLYTIC, 16V 22UF M
C269	24794220	ELECTROLYTIC, 16V 22UF M
C270	24794220	ELECTROLYTIC, 16V 22UF M
C270	24203470	ELECTROLYTIC, 16V 47UF M 7L 3A
C271	24794101	ELECTROLYTIC, 16V 100UF M

Location No.	Parts No.	Description
C271	24203470	ELECTROLYTIC, 16V 47UF M 7L 3A
C272	24100103	CERAMIC CHIP, 50V F 10000PF Z
C281	24092730	CERAMIC CHIP, 16V B 0.1UF K
C282	24092730	CERAMIC CHIP, 16V B 0.1UF K
C284	24092730	CERAMIC CHIP, 16V B 0.1UF K
C285	24092730	CERAMIC CHIP, 16V B 0.1UF K
C286	24092730	CERAMIC CHIP, 16V B 0.1UF K
C287	24203100	ELECTORLYTIC, 16V 10UF M 7L 3A
C288	24203101	ELECTROLYTIC, 16V 100UF M 7L 3A
C289	24092730	CERAMIC CHIP, 16V B 0.1UF K
C290	24092730	CERAMIC CHIP, 16V B 0.1UF K
C291	24092730	CERAMIC CHIP, 16V B 0.1UF K
C292	24092730	CERAMIC CHIP, 16V B 0.1UF K
C315	24797229	ELECTROLYTIC, 50V 2.2UF M
C401	24092730	CERAMIC CHIP, 16V B 0.1UF K
C403	24092730	CERAMIC CHIP, 16V B 0.1UF K
C403	24100103	CERAMIC CHIP, 50V F 10000PF Z
C404	24092730	CERAMIC CHIP, 16V B 0.1UF K
C405	24100103	CERAMIC CHIP, 50V F 10000PF Z
C405	24630727	ELECTROLYTIC, 6.3V 330UF M 7L 3A
C406	24203101	ELECTROLYTIC, 16V 100UF M 7L 3A
C430	24100103	CERAMIC CHIP, 50V F 10000PF Z
C431	24092730	CERAMIC CHIP, 16V B 0.1UF K
C431	24794101	ELECTROLYTIC, 16V 100UF M
C432	24092730	CERAMIC CHIP, 16V B 0.1UF K
C433	24092730	CERAMIC CHIP, 16V B 0.1UF K
C434	24092730	CERAMIC CHIP, 16V B 0.1UF K
C435	24092730	CERAMIC CHIP, 16V B 0.1UF K
C436	24092730	CERAMIC CHIP, 16V B 0.1UF K
C452	24105330	CERAMIC CHIP, 50V CH 33PF J
C453	24105330	CERAMIC CHIP, 50V CH 33PF J
C454	24105330	CERAMIC CHIP, 50V CH 33PF J
C455	24105330	CERAMIC CHIP, 50V CH 33PF J
C457	24105330	CERAMIC CHIP, 50V CH 33PF J
C458	24105330	CERAMIC CHIP, 50V CH 33PF J
C459	24105330	CERAMIC CHIP, 50V CH 33PF J
C460	24105330	CERAMIC CHIP, 50V CH 33PF J
C461	24105330	CERAMIC CHIP, 50V CH 33PF J
C463	24105102	CERAMIC CHIP, 25V CH 1000PF J
C464	24105102	CERAMIC CHIP, 25V CH 1000PF J
C466	24105330	CERAMIC CHIP, 50V CH 33PF J
C468	24105330	CERAMIC CHIP, 50V CH 33PF J
C470	24105330	CERAMIC CHIP, 50V CH 33PF J
C472	24105330	CERAMIC CHIP, 50V CH 33PF J
C474	24105330	CERAMIC CHIP, 50V CH 33PF J
C476	24105330	CERAMIC CHIP, 50V CH 33PF J
C478	24105330	CERAMIC CHIP, 50V CH 33PF J
C481	24092730	CERAMIC CHIP, 16V B 0.1UF K
C482	24108220	CERAMIC CHIP, 50V SL 22PF J
C500	24203101	ELECTROLYTIC, 16V 100UF M 7L 3A
C501	24203220	ELECTROLYTIC, 16V 22UF M 7L 3A
C502	24092730	CERAMIC CHIP, 16V B 0.1UF K
C502	24100103	CERAMIC CHIP, 50V F 10000PF Z
C503	24092730	CERAMIC CHIP, 16V B 0.1UF K
C503	24794101	ELECTROLYTIC, 16V 100UF M
C504	24092730	CERAMIC CHIP, 16V B 0.1UF K
C505	24092730	CERAMIC CHIP, 16V B 0.1UF K
C507	24092730	CERAMIC CHIP, 16V B 0.1UF K
C508	24092730	CERAMIC CHIP, 16V B 0.1UF K
C508	24797010	ELECTROLYTIC, 50V 1UF M
C509	24092730	CERAMIC CHIP, 16V B 0.1UF K
C509	24794101	ELECTROLYTIC, 16V 100UF M
C510	24794101	ELECTROLYTIC, 16V 100UF M
C511	24092730	CERAMIC CHIP, 16V B 0.1UF K
C511	24100103	CERAMIC CHIP, 50V F 10000PF Z
C513	24100103	CERAMIC CHIP, 50V F 10000PF Z
C514	24092730	CERAMIC CHIP, 16V B 0.1UF K

Location No.	Parts No.	Description
C515	24092730	CERAMIC CHIP, 16V B 0.1UF K
C520	24109102	CERAMIC CHIP, 50V B 1000PF K
C521	24109102	CERAMIC CHIP, 50V B 1000PF K
C522	24797010	ELECTROLYTIC, 50V 1UF M
C523	24100103	CERAMIC CHIP, 50V F 10000PF Z
C524	24100103	CERAMIC CHIP, 50V F 10000PF Z
C525	24100103	CERAMIC CHIP, 50V F 10000PF Z
C527	24100103	CERAMIC CHIP, 50V F 10000PF Z
C528	24794100	ELECTROLYTIC, 16V 10UF M
C530	24100103	CERAMIC CHIP, 50V F 10000PF Z
C531	24100103	CERAMIC CHIP, 50V F 10000PF Z
C532	24100103	CERAMIC CHIP, 50V F 10000PF Z
C533	24794471	ELECTROLYTIC, 16V 470UF M
C551	24092538	CERAMIC CHIP, 10V F 1UF Z
C552	24092538	CERAMIC CHIP, 10V F 1UF Z
C553	24092538	CERAMIC CHIP, 10V F 1UF Z
C554	24092538	CERAMIC CHIP, 10V F 1UF Z
C555	24092538	CERAMIC CHIP, 10V F 1UF Z
C556	24092538	CERAMIC CHIP, 10V F 1UF Z
C557	24092538	CERAMIC CHIP, 10V F 1UF Z
C558	24092538	CERAMIC CHIP, 10V F 1UF Z
C559	24092538	CERAMIC CHIP, 10V F 1UF Z
C560	24092538	CERAMIC CHIP, 10V F 1UF Z
C561	24092538	CERAMIC CHIP, 10V F 1UF Z
C562	24092538	CERAMIC CHIP, 10V F 1UF Z
C563	24092538	CERAMIC CHIP, 10V F 1UF Z
C564	24092538	CERAMIC CHIP, 10V F 1UF Z
C570	24092730	CERAMIC CHIP, 16V B 0.1UF K
C571	24092730	CERAMIC CHIP, 16V B 0.1UF K
C572	24092178	CERAMIC CHIP, 25V B 100000PF K
C572	24203470	ELECTROLYTIC, 16V 47UF M 7L 3A
C573	24794100	ELECTROLYTIC, 16V 10UF M
C575	24092616	CERAMIC CHIP, 16V B 330000PF K
C576	24794470	ELECTORLYTIC, 16V 47UF M
C601	24591102	PLASTIC FILM, 50V 1000PF J
C602	24591102	PLASTIC FILM, 50V 1000PF J
C603	24797100	ELECTROLYTIC, 50V 10UF M
C604	24797100	ELECTROLYTIC, 50V 10UF M
C605	24795101	ELECTROLYTIC, 25V 100UF M
C606	24795101	ELECTROLYTIC, 25V 100UF M
C607	24591104	PLASTIC FILM, 50V 0.1UF J
C608	24591104	PLASTIC FILM, 50V 0.1UF J
C609	24669102	ELECTROLYTIC, 50V 1000UF M 3A
C610	24669102	ELECTROLYTIC, 50V 1000UF M 3A
C611	24667221	ELECTROLYTIC, 25V 220UF M 3A
C612	24667471	ELECTROLYTIC, 25V 470UF M 3A
C613	24797479	ELECTROLYTIC, 50V 4.7UF M
C661	24669330	ELECTROLYTIC, 50V 33UF M 3A
C662	24669330	ELECTROLYTIC, 50V 33UF M 3A
C665	24797478	ELECTROLYTIC, 50V 0.47UF M
C666	24797478	ELECTROLYTIC, 50V 0.47UF M
C680	24669222	ELECTROLYTIC, 50V 2200UF M 3A
C682	24797010	ELECTROLYTIC, 50V 1UF M
C700	24092742	CERAMIC CHIP, 10V F 0.33UF Z
C701	24092742	CERAMIC CHIP, 10V F 0.33UF Z
C702	24203100	ELECTORLYTIC, 16V 10UF M 7L 3A
C703	24092742	CERAMIC CHIP, 10V F 0.33UF Z
C704	24203100	ELECTORLYTIC, 16V 10UF M 7L 3A
C705	24100103	CERAMIC CHIP, 50V F 10000PF Z
C706	24100104	CERAMIC CHIP, 25V F 100000PF Z
C707	24092742	CERAMIC CHIP, 10V F 0.33UF Z
C710	24105220	CERAMIC CHIP, 50V CH 22PF J
C711	24203470	ELECTROLYTIC, 16V 47UF M 7L 3A
C712	24203100	ELECTORLYTIC, 16V 10UF M 7L 3A
C713	24203100	ELECTORLYTIC, 16V 10UF M 7L 3A
C714	24100103	CERAMIC CHIP, 50V F 10000PF Z
C715	24108101	CERAMIC CHIP, 50V SL 100PF J

Location No.	Parts No.	Description
C716	24105100	CERAMIC CHIP, 50V CH 10PF D
C717	24105100	CERAMIC CHIP, 50V CH 10PF D
C718	24100103	CERAMIC CHIP, 50V F 10000PF Z
C719	24100103	CERAMIC CHIP, 50V F 10000PF Z
C720	24100103	CERAMIC CHIP, 50V F 10000PF Z
C721	24100103	CERAMIC CHIP, 50V F 10000PF Z
C723	24100104	CERAMIC CHIP, 25V F 100000PF Z
C724	24105510	CERAMIC CHIP, 50V CH 51PF J
C730	24108101	CERAMIC CHIP, 50V SL 100PF J
C731	24092730	CERAMIC CHIP, 16V B 0.1UF K
C731	24108101	CERAMIC CHIP, 50V SL 100PF J
C732	24108101	CERAMIC CHIP, 50V SL 100PF J
C733	24108101	CERAMIC CHIP, 50V SL 100PF J
C735	24108101	CERAMIC CHIP, 50V SL 100PF J
C736	24108560	CERAMIC CHIP, 50V SL 56PF J
C737	24108101	CERAMIC CHIP, 50V SL 100PF J
C738	24108101	CERAMIC CHIP, 50V SL 100PF J
C739	24108101	CERAMIC CHIP, 50V SL 100PF J
C742	24108101	CERAMIC CHIP, 50V SL 100PF J
C743	24108101	CERAMIC CHIP, 50V SL 100PF J
C744	24108101	CERAMIC CHIP, 50V SL 100PF J
C745	24108101	CERAMIC CHIP, 50V SL 100PF J
C746	24108101	CERAMIC CHIP, 50V SL 100PF J
C751	24108101	CERAMIC CHIP, 50V SL 100PF J
C752	24108101	CERAMIC CHIP, 50V SL 100PF J
C755	24108101	CERAMIC CHIP, 50V SL 100PF J
C756	24108101	CERAMIC CHIP, 50V SL 100PF J
C757	24108470	CERAMIC CHIP, 50V SL 47PF J
C758	24108470	CERAMIC CHIP, 50V SL 47PF J
C759	24108470	CERAMIC CHIP, 50V SL 47PF J
C760	24108470	CERAMIC CHIP, 50V SL 47PF J
C761	24108470	CERAMIC CHIP, 50V SL 47PF J
C762	24100103	CERAMIC CHIP, 50V F 10000PF Z
C764	24108101	CERAMIC CHIP, 50V SL 100PF J
C765	24108101	CERAMIC CHIP, 50V SL 100PF J
C767	24108101	CERAMIC CHIP, 50V SL 100PF J
C777	24108101	CERAMIC CHIP, 50V SL 100PF J
C778	24108101	CERAMIC CHIP, 50V SL 100PF J
C779	24108101	CERAMIC CHIP, 50V SL 100PF J
C780	24108101	CERAMIC CHIP, 50V SL 100PF J
C781	24108101	CERAMIC CHIP, 50V SL 100PF J
C782	24108101	CERAMIC CHIP, 50V SL 100PF J
C783	24108101	CERAMIC CHIP, 50V SL 100PF J
C784	24108101	CERAMIC CHIP, 50V SL 100PF J
C785	24100103	CERAMIC CHIP, 50V F 10000PF Z
C786	24100103	CERAMIC CHIP, 50V F 10000PF Z
C787	24100103	CERAMIC CHIP, 50V F 10000PF Z
C788	24100103	CERAMIC CHIP, 50V F 10000PF Z
C789	24100103	CERAMIC CHIP, 50V F 10000PF Z
C790	24100103	CERAMIC CHIP, 50V F 10000PF Z
C791	24100103	CERAMIC CHIP, 50V F 10000PF Z
C792	24100103	CERAMIC CHIP, 50V F 10000PF Z
⚠ C801	24503002	PLASTIC FILM, AC275V 0.22UF M
⚠ C802	24503002	PLASTIC FILM, AC275V 0.22UF M (44A9UH)
C803	24503002	PLASTIC FILM, AC275V 0.22UF M (44A9UR)
C805	24092281	CERAMIC DISC, AC250V E 4700PF
C807	24092281	CERAMIC DISC, AC250V E 4700PF
⚠ C811	24092566	CERAMIC DISC, AC250V E 680PF M
⚠ C812	24092566	CERAMIC DISC, AC250V E 680PF M
C820	24073084	ELECTROLYTIC, 50V 4.7UF M 3A (44A9UH)
C821	24082081	PLASTIC FILM, 630V 0.033UF (44A9UH)
C822	24591473	PLASTIC FILM, 50V 0.047MF J (44A9UH)
C823	24073098	ELECTROLYTIC, 450V 4.7UF M 3A (44A9UH)
C824	24591104	PLASTIC FILM, 50V 0.1UF J

Location No.	Parts No.	Description
C826	24073034	ELECTROLYTIC CE04P 16V 10UF M 3A
C828	24086068	ELECTROLYTIC CE692Q 250V 820UF M 3D
C829	24086068	ELECTROLYTIC CE692Q 250V 820UF M 3D
C830	24617798	ELECTROLYTIC, 25V 2200UF M
C831	24617006	ELECTROLYTIC, 25V 820UF M
C833	24214331	CERAMIC DISC, 500V B 330PF K
C834	24591104	PLASTIC FILM, 50V 0.1UF J
C835	24214331	CERAMIC DISC, 500V B 330PF K
C836	24617798	ELECTROLYTIC, 25V 2200UF M
C837	24617006	ELECTROLYTIC, 25V 820UF M
C839	24591104	PLASTIC FILM, 50V 0.1UF J
C840	24567224	PLASTIC FILM, 50V 0.22UF J
C842	24073038	ELECTROLYTIC, 16V 100UF M 3A
C843	24591104	PLASTIC FILM, 50V 0.1UF J
C845	24073049	ELECTROLYTIC CE04P 25V 10UF M 3A
C846	24073053	ELECTROLYTIC, 25V 100UF M 3A
C847	24073052	ELECTROLYTIC, 25V 47UF M 3A
C848	24073015	ELECTROLYTIC, 10V 47UF M 3A
C853	24073037	ELECTROLYTIC, 16V 47UF M 3A
C854	24567334	PLASTIC FILM, 50V 0.33UF J
C856	24073034	ELECTROLYTIC CE04P 16V 10UF M 3A
C857	24073053	ELECTROLYTIC, 25V 100UF M 3A
C858	24567334	PLASTIC FILM, 50V 0.33UF J
C860	24214103	CERAMIC DISC, 500V B 10000PF K
C862	24082857	PLASTIC FILM, 50V 680PF G
C863	24591104	PLASTIC FILM, 50V 0.1UF J
C864	24092347	CERAMIC DISC, 2KV R 1500PF K (44A9UH)
C864	24092345	CERAMIC DISC, 2KV 0.001UF K (44A9UR)
C866	24567474	PLASTIC FILM, 50V 0.47UF J
C867	24591682	PLASTIC FILM, 50V 6800PF J
C868	24676470	ELECTROLYTIC, 100V 47UF M 3A
C869	24678229	ELECTROLYTIC, 200V 2.2UF M 3A
C870	24820333	PLASTIC FILM, 630V 33000PF J
C871	24092347	CERAMIC DISC, 2KV R 1500PF K (44A9UH)
C871	24092345	CERAMIC DISC, 2KV 0.001UF K (44A9UR)
C873	24567224	PLASTIC FILM, 50V 0.22UF J
C874	24092473	CERAMIC DISC, 2KV B1 180PF K
C876	24591104	PLASTIC FILM, 50V 0.1UF J
C877	24073052	ELECTROLYTIC, 25V 47UF M 3A
C885	24214471	CERAMIC DISC, 500V B 470PF K
C886	24214471	CERAMIC DISC, 500V B 470PF K
C887	24073096	ELECTROLYTIC, 50V 3300UF M 3A
C888	24214471	CERAMIC DISC, 500V B 470PF K
C889	24073054	ELECTROLYTIC CE04P 25V 220UF M 3A
C890	24073081	ELECTROLYTIC, 50V 1.OUF M 3A
C891	24214471	CERAMIC DISC, 500V B 470PF K
C892	24214471	CERAMIC DISC, 500V B 470PF K
C893	24214471	CERAMIC DISC, 500V B 470PF K
C894	24214471	CERAMIC DISC, 500V B 470PF K
C895	24073061	ELECTROLYTIC CE04P 25V 6800UF M 3A
C897	24073094	ELECTROLYTIC, 50V 1000UF M 3A
C898	24676221	ELECTROLYTIC, 100V 220UF M 3A
C901	24100104	CERAMIC CHIP, 25V F 100000PF Z
C902	24100104	CERAMIC CHIP, 25V F 100000PF Z
C903	24100104	CERAMIC CHIP, 25V F 100000PF Z
C904	24100104	CERAMIC CHIP, 25V F 100000PF Z
C905	24204100	ELECTROLYTIC, 25V 10UF M 7L 3A
C906	24100104	CERAMIC CHIP, 25V F 100000PF Z
C907	24100104	CERAMIC CHIP, 25V F 100000PF Z
C908	24293105	CHIP TANTAL, 16V 1UF M
C909	24293105	CHIP TANTAL, 16V 1UF M
C910	24293105	CHIP TANTAL, 16V 1UF M
C911	24100104	CERAMIC CHIP, 25V F 100000PF Z
C912	24100104	CERAMIC CHIP, 25V F 100000PF Z
C913	24100104	CERAMIC CHIP, 25V F 100000PF Z
C914	24100104	CERAMIC CHIP, 25V F 100000PF Z
C915	24203330	ELECTROLYTIC, 16V 33UF M 7L 3A

Location No.	Parts No.	Description
C916	24100104	CERAMIC CHIP, 25V F 100000PF Z
C917	24100104	CERAMIC CHIP, 25V F 100000PF Z
C918	24100104	CERAMIC CHIP, 25V F 100000PF Z
C919	24100104	CERAMIC CHIP, 25V F 100000PF Z
C920	24105220	CERAMIC CHIP, 50V CH 22PF J
C921	24105220	CERAMIC CHIP, 50V CH 22PF J
C922	24105220	CERAMIC CHIP, 50V CH 22PF J
C923	24105220	CERAMIC CHIP, 50V CH 22PF J
C924	24105331	CERAMIC CHIP, 50V CH 330PF J
C925	24105470	CERAMIC CHIP, 50V CH 47PF J
C926	24108221	CERAMIC CHIP, 50V SL 220PF J
C927	24108221	CERAMIC CHIP, 50V SL 220PF J
C928	24108221	CERAMIC CHIP, 50V SL 220PF J
C931	24105330	CERAMIC CHIP, 50V CH 33PF J
C932	24105330	CERAMIC CHIP, 50V CH 33PF J
C933	24203100	ELECTORLYTIC, 16V 10UF M 7L 3A
C934	24100104	CERAMIC CHIP, 25V F 100000PF Z
C935	24105330	CERAMIC CHIP, 50V CH 33PF J
C936	24105330	CERAMIC CHIP, 50V CH 33PF J
C937	24203470	ELECTROLYTIC, 16V 47UF M 7L 3A
C938	24203470	ELECTROLYTIC, 16V 47UF M 7L 3A
C939	24203470	ELECTROLYTIC, 16V 47UF M 7L 3A
C940	24203470	ELECTROLYTIC, 16V 47UF M 7L 3A
C941	24203470	ELECTROLYTIC, 16V 47UF M 7L 3A
C950	24100104	CERAMIC CHIP, 25V F 100000PF Z
C951	24205330	ELECTROLYTIC, 35V 33UF M 7L 3A
C952	24100104	CERAMIC CHIP, 25V F 100000PF Z
C953	24204330	ELECTROLYTIC, 25V 33UF M 7L 3A
C954	24100104	CERAMIC CHIP, 25V F 100000PF Z
C955	24293105	CHIP TANTAL, 16V 1UF M
C956	24105271	CERAMIC CHIP, 50V CH 270PF J
C957	24108220	CERAMIC CHIP, 50V SL 22PF J
C958	24204330	ELECTROLYTIC, 25V 33UF M 7L 3A
C959	24204101	ELECTROLYTIC, 25V 100UF M 7L 3A
C990	24100103	CERAMIC CHIP, 50V F 10000PF Z
C991	24100103	CERAMIC CHIP, 50V F 10000PF Z
C992	24100103	CERAMIC CHIP, 50V F 10000PF Z
C993	24100103	CERAMIC CHIP, 50V F 10000PF Z
C994	24100103	CERAMIC CHIP, 50V F 10000PF Z
C995	24100103	CERAMIC CHIP, 50V F 10000PF Z
C996	24100103	CERAMIC CHIP, 50V F 10000PF Z
C4406	24591103	PLASTIC FILM, 50V 0.01MF J
C4407	24797010	ELECTROLYTIC, 50V 1UF M
C4408	24100103	CERAMIC CHIP, 50V F 10000PF Z
C4421	24567105	PLASTIC FILM, 50V 1 UF J
C4426	24794331	ELECTROLYTIC, 16V 330UF M
C9100	24100103	CERAMIC CHIP, 50V F 10000PF Z
C9101	24100103	CERAMIC CHIP, 50V F 10000PF Z
C9102	24100103	CERAMIC CHIP, 50V F 10000PF Z
C9103	24100103	CERAMIC CHIP, 50V F 10000PF Z
C9104	24100103	CERAMIC CHIP, 50V F 10000PF Z
C9105	24100103	CERAMIC CHIP, 50V F 10000PF Z
C9106	24100103	CERAMIC CHIP, 50V F 10000PF Z
C9107	24100103	CERAMIC CHIP, 50V F 10000PF Z
C9108	24100103	CERAMIC CHIP, 50V F 10000PF Z
C9109	24100103	CERAMIC CHIP, 50V F 10000PF Z
C9110	24100103	CERAMIC CHIP, 50V F 10000PF Z
C9111	24100103	CERAMIC CHIP, 50V F 10000PF Z
C9112	24100103	CERAMIC CHIP, 50V F 10000PF Z
C9113	24100103	CERAMIC CHIP, 50V F 10000PF Z
C9114	24100103	CERAMIC CHIP, 50V F 10000PF Z
C9601	24204330	ELECTROLYTIC, 25V 33UF M 7L 3A
C9602	24100103	CERAMIC CHIP, 50V F 10000PF Z
C9603	24092441	CERAMIC CHIP, 16V F 1UF Z
C9604	24092441	CERAMIC CHIP, 16V F 1UF Z
C9605	24092441	CERAMIC CHIP, 16V F 1UF Z
C9606	24100104	CERAMIC CHIP, 25V F 100000PF Z

Location No.	Parts No.	Description
C9607	24092441	CERAMIC CHIP, 16V F 1UF Z
C9608	24092441	CERAMIC CHIP, 16V F 1UF Z
C9609	24092441	CERAMIC CHIP, 16V F 1UF Z
C9610	24100104	CERAMIC CHIP, 25V F 100000PF Z
C9611	24203100	ELECTORLYTIC, 16V 10UF M 7L 3A
C9612	24100104	CERAMIC CHIP, 25V F 100000PF Z
C9613	24100103	CERAMIC CHIP, 50V F 10000PF Z
C9614	24204330	ELECTROLYTIC, 25V 33UF M 7L 3A
C9615	24100104	CERAMIC CHIP, 25V F 100000PF Z
C9616	24100104	CERAMIC CHIP, 25V F 100000PF Z
C9617	24100104	CERAMIC CHIP, 25V F 100000PF Z
C9618	24204330	ELECTROLYTIC, 25V 33UF M 7L 3A
C9619	24100104	CERAMIC CHIP, 25V F 100000PF Z
C9620	24100104	CERAMIC CHIP, 25V F 100000PF Z
C9621	24100104	CERAMIC CHIP, 25V F 100000PF Z
C9622	24100104	CERAMIC CHIP, 25V F 100000PF Z
C9623	24108221	CERAMIC CHIP, 50V SL 220PF J
C9629	24100103	CERAMIC CHIP, 50V F 10000PF Z
C9630	24100103	CERAMIC CHIP, 50V F 10000PF Z
C9631	24204330	ELECTROLYTIC, 25V 33UF M 7L 3A
C9632	24100103	CERAMIC CHIP, 50V F 10000PF Z
C9633	24092441	CERAMIC CHIP, 16V F 1UF Z
C9634	24092441	CERAMIC CHIP, 16V F 1UF Z
C9635	24092441	CERAMIC CHIP, 16V F 1UF Z
C9636	24100104	CERAMIC CHIP, 25V F 100000PF Z
C9637	24092441	CERAMIC CHIP, 16V F 1UF Z
C9638	24092441	CERAMIC CHIP, 16V F 1UF Z
C9639	24092441	CERAMIC CHIP, 16V F 1UF Z
C9640	24100104	CERAMIC CHIP, 25V F 100000PF Z
C9641	24203100	ELECTORLYTIC, 16V 10UF M 7L 3A
C9642	24100104	CERAMIC CHIP, 25V F 100000PF Z
C9643	24100103	CERAMIC CHIP, 50V F 10000PF Z
C9646	24100103	CERAMIC CHIP, 50V F 10000PF Z
C9647	24100103	CERAMIC CHIP, 50V F 10000PF Z
C9649	24100103	CERAMIC CHIP, 50V F 10000PF Z
C9652	24203330	ELECTROLYTIC, 16V 33UF M 7L 3A
C9661	24204330	ELECTROLYTIC, 25V 33UF M 7L 3A
C9662	24100103	CERAMIC CHIP, 50V F 10000PF Z
C9663	24092441	CERAMIC CHIP, 16V F 1UF Z
C9664	24092441	CERAMIC CHIP, 16V F 1UF Z
C9665	24092441	CERAMIC CHIP, 16V F 1UF Z
C9666	24100104	CERAMIC CHIP, 25V F 100000PF Z
C9667	24092441	CERAMIC CHIP, 16V F 1UF Z
C9668	24092441	CERAMIC CHIP, 16V F 1UF Z
C9669	24092441	CERAMIC CHIP, 16V F 1UF Z
C9670	24100104	CERAMIC CHIP, 25V F 100000PF Z
C9671	24203100	ELECTORLYTIC, 16V 10UF M 7L 3A
C9672	24100104	CERAMIC CHIP, 25V F 100000PF Z
C9673	24100103	CERAMIC CHIP, 50V F 10000PF Z
C9691	24204330	ELECTROLYTIC, 25V 33UF M 7L 3A
C9692	24100103	CERAMIC CHIP, 50V F 10000PF Z
C9701	24088079	TA SOLID ELEC, 10V 10UF M
C9702	24088079	TA SOLID ELEC, 10V 10UF M
C9703	24088079	TA SOLID ELEC, 10V 10UF M
C9704	24088079	TA SOLID ELEC, 10V 10UF M
C9705	24088079	TA SOLID ELEC, 10V 10UF M
C9706	24088079	TA SOLID ELEC, 10V 10UF M
C9707	24088079	TA SOLID ELEC, 10V 10UF M
C9708	24088079	TA SOLID ELEC, 10V 10UF M
C9709	24088079	TA SOLID ELEC, 10V 10UF M
C9710	24088079	TA SOLID ELEC, 10V 10UF M
C9711	24088079	TA SOLID ELEC, 10V 10UF M
C9712	24088079	TA SOLID ELEC, 10V 10UF M
C9713	24088079	TA SOLID ELEC, 10V 10UF M
C9714	24088079	TA SOLID ELEC, 10V 10UF M
C9715	24088079	TA SOLID ELEC, 10V 10UF M
C9716	24088079	TA SOLID ELEC, 10V 10UF M

Location No.	Parts No.	Description
C9717	24088079	TA SOLID ELEC, 10V 10UF M
C9718	24088079	TA SOLID ELEC, 10V 10UF M
C9719	24204330	ELECTROLYTIC, 25V 33UF M 7L 3A
C9720	24100104	CERAMIC CHIP, 25V F 100000PF Z
C9721	24100104	CERAMIC CHIP, 25V F 100000PF Z
C9727	24204330	ELECTROLYTIC, 25V 33UF M 7L 3A
C9728	24100104	CERAMIC CHIP, 25V F 100000PF Z
C9729	24204330	ELECTROLYTIC, 25V 33UF M 7L 3A
C9730	24100104	CERAMIC CHIP, 25V F 100000PF Z
C9731	24204330	ELECTROLYTIC, 25V 33UF M 7L 3A
C9732	24100104	CERAMIC CHIP, 25V F 100000PF Z
C9733	24204330	ELECTROLYTIC, 25V 33UF M 7L 3A
C9734	24100104	CERAMIC CHIP, 25V F 100000PF Z
C9735	24205330	ELECTROLYTIC, 35V 33UF M 7L 3A
C9736	24100104	CERAMIC CHIP, 25V F 100000PF Z
C9737	24204330	ELECTROLYTIC, 25V 33UF M 7L 3A
C9738	24100104	CERAMIC CHIP, 25V F 100000PF Z
C9739	24204330	ELECTROLYTIC, 25V 33UF M 7L 3A
C9750	24108121	CERAMIC CHIP, 50V SL 120PF J
C9751	24108121	CERAMIC CHIP, 50V SL 120PF J
C9752	24108121	CERAMIC CHIP, 50V SL 120PF J
C9801	24204470	ELECTROLYTIC, 25V 47UF M 7L 3A
C9802	24100104	CERAMIC CHIP, 25V F 100000PF Z
C9822	24567334	PLASTIC FILM, 50V 0.33UF J
C9823	24567334	PLASTIC FILM, 50V 0.33UF J
C9824	24666101	ELECTROLYTIC, 16V 100UF M 3A
C9825	24666101	ELECTROLYTIC, 16V 100UF M 3A
C9903	24204330	ELECTROLYTIC, 25V 33UF M 7L 3A
C9904	24108101	CERAMIC CHIP, 50V SL 100PF J
C9905	24108101	CERAMIC CHIP, 50V SL 100PF J
C9906	24108101	CERAMIC CHIP, 50V SL 100PF J
C9907	24108101	CERAMIC CHIP, 50V SL 100PF J
C9909	24100103	CERAMIC CHIP, 50V F 10000PF Z
C9931	24108101	CERAMIC CHIP, 50V SL 100PF J
C9932	24108101	CERAMIC CHIP, 50V SL 100PF J
C9933	24100103	CERAMIC CHIP, 50V F 10000PF Z
C9934	24100103	CERAMIC CHIP, 50V F 10000PF Z
C9937	24108560	CERAMIC CHIP, 50V SL 56PF J
C9938	24108560	CERAMIC CHIP, 50V SL 56PF J
C9939	24108560	CERAMIC CHIP, 50V SL 56PF J
C9940	24108560	CERAMIC CHIP, 50V SL 56PF J
C9941	24100103	CERAMIC CHIP, 50V F 10000PF Z
C9942	24108101	CERAMIC CHIP, 50V SL 100PF J
C9946	24204330	ELECTROLYTIC, 25V 33UF M 7L 3A
C9961	24100104	CERAMIC CHIP, 25V F 100000PF Z
C9962	24100104	CERAMIC CHIP, 25V F 100000PF Z
C9963	24100104	CERAMIC CHIP, 25V F 100000PF Z
C9964	24100104	CERAMIC CHIP, 25V F 100000PF Z
C9966	24100104	CERAMIC CHIP, 25V F 100000PF Z
C9985	24100104	CERAMIC CHIP, 25V F 100000PF Z
C9986	24100104	CERAMIC CHIP, 25V F 100000PF Z
C9987	24100104	CERAMIC CHIP, 25V F 100000PF Z
C9988	24205330	ELECTROLYTIC, 35V 33UF M 7L 3A
C9989	24205330	ELECTROLYTIC, 35V 33UF M 7L 3A
C9990	24205330	ELECTROLYTIC, 35V 33UF M 7L 3A
CA13	24108101	CERAMIC CHIP, 50V SL 100PF J
CA30	24108101	CERAMIC CHIP, 50V SL 100PF J
CA33	24100103	CERAMIC CHIP, 50V F 10000PF Z
CA37	24108101	CERAMIC CHIP, 50V SL 100PF J
CA38	24108101	CERAMIC CHIP, 50V SL 100PF J
CA40	24108101	CERAMIC CHIP, 50V SL 100PF J
CA41	24108101	CERAMIC CHIP, 50V SL 100PF J
CA42	24794100	ELECTROLYTIC, 16V 10UF M
CA43	24100103	CERAMIC CHIP, 50V F 10000PF Z
CA44	24100103	CERAMIC CHIP, 50V F 10000PF Z
CA68	24794100	ELECTROLYTIC, 16V 10UF M
CA69	24100103	CERAMIC CHIP, 50V F 10000PF Z

Location No.	Parts No.	Description
CA117	24669470	ELECTROLYTIC, 50V 47UF M 3A
CB02	24108101	CERAMIC CHIP, 50V SL 100PF J
CB03	24108101	CERAMIC CHIP, 50V SL 100PF J
CB04	24108101	CERAMIC CHIP, 50V SL 100PF J
CB05	24108101	CERAMIC CHIP, 50V SL 100PF J
CB10	24108101	CERAMIC CHIP, 50V SL 100PF J
CB12	24108101	CERAMIC CHIP, 50V SL 100PF J
CB33	24591104	PLASTIC FILM, 50V 0.1UF J
CB36	24108101	CERAMIC CHIP, 50V SL 100PF J
CB41	24108101	CERAMIC CHIP, 50V SL 100PF J
CB50	24100103	CERAMIC CHIP, 50V F 10000PF Z
CB51	24794100	ELECTROLYTIC, 16V 10UF M
CB52	24793101	ELECTROLYTIC, 10V 100UF M
CB53	24100103	CERAMIC CHIP, 50V F 10000PF Z
CB90	24100103	CERAMIC CHIP, 50V F 10000PF Z
CC01	24109102	CERAMIC CHIP, 50V B 1000PF K
CC02	24109102	CERAMIC CHIP, 50V B 1000PF K
CC03	24109102	CERAMIC CHIP, 50V B 1000PF K
CC04	24109102	CERAMIC CHIP, 50V B 1000PF K
CC05	24109102	CERAMIC CHIP, 50V B 1000PF K
CC06	24109102	CERAMIC CHIP, 50V B 1000PF K
CC07	24109102	CERAMIC CHIP, 50V B 1000PF K
CC08	24109102	CERAMIC CHIP, 50V B 1000PF K
CC09	24109102	CERAMIC CHIP, 50V B 1000PF K
CC10	24109102	CERAMIC CHIP, 50V B 1000PF K
CC11	24092743	CERAMIC CHIP, 10V F 470NF Z
CC12	24100103	CERAMIC CHIP, 50V F 10000PF Z
CC13	24100103	CERAMIC CHIP, 50V F 10000PF Z
CC14	24100103	CERAMIC CHIP, 50V F 10000PF Z
CC15	24815102	CERAMIC CHIP, 50V B 1000PF K
CC25	24109102	CERAMIC CHIP, 50V B 1000PF K
CC50	24781102	CARAMIC CHIP, 50V SL 1000PF J
CC100	24212102	CERAMIC DISC, 50V B 1000PF K (44A9UH)
CC101	24212102	CERAMIC DISC, 50V B 1000PF K (44A9UH)
CC102	24212102	CERAMIC DISC, 50V B 1000PF K
CC103	24212102	CERAMIC DISC, 50V B 1000PF K
CC104	24232103	CERAMIC DISC, 50V F 10000PF Z
CC105	24232103	CERAMIC DISC, 50V F 10000PF Z
CF01	24793471	ELECTROLYTIC, 10V 470UF M (44A9UR)
CG01	24591124	PLASTIC FILM, 50V 0.12UF J
CG02	24591104	PLASTIC FILM, 50V 0.1UF J
CG03	24591823	PLASTIC FILM, 50V 0.082MF J
CG04	24797010	ELECTROLYTIC, 50V 1UF M
CG05	24794220	ELECTROLYTIC, 16V 22UF M
CG07	24797010	ELECTROLYTIC, 50V 1UF M
CG08	24797010	ELECTROLYTIC, 50V 1UF M
CG09	24797010	ELECTROLYTIC, 50V 1UF M
CG12	24591273	PLASTIC FILM, 50V 0.027UF J
CG13	24100103	CERAMIC CHIP, 50V F 10000PF Z
CG14	24794101	ELECTROLYTIC, 16V 100UF M
CG15	24591822	PLASTIC FILM, 50V 8200PF J
CG16	24797010	ELECTROLYTIC, 50V 1UF M
CG17	24591273	PLASTIC FILM, 50V 0.027UF J
CG18	24591822	PLASTIC FILM, 50V 8200PF J
CG21	24591273	PLASTIC FILM, 50V 0.027UF J
CG22	24797010	ELECTROLYTIC, 50V 1UF M
CG23	24591822	PLASTIC FILM, 50V 8200PF J
CG24	24206100	ELECTROLYTIC, 50V 10UF M 7L 3A
CG25	24109102	CERAMIC CHIP, 50V B 1000PF K
CG26	24794100	ELECTROLYTIC, 16V 10UF M
CG27	24797229	ELECTROLYTIC, 50V 2.2UF M
CG28	24797229	ELECTROLYTIC, 50V 2.2UF M
CR12	24092730	CERAMIC CHIP, 16V B 0.1UF K
CR13	24092730	CERAMIC CHIP, 16V B 0.1UF K
CR14	24092730	CERAMIC CHIP, 16V B 0.1UF K
CS01	24797229	ELECTROLYTIC, 50V 2.2UF M
CS02	24797229	ELECTROLYTIC, 50V 2.2UF M

Location No.	Parts No.	Description
CS05	24797229	ELECTROLYTIC, 50V 2.2UF M
CS06	24797229	ELECTROLYTIC, 50V 2.2UF M
CS07	24797229	ELECTROLYTIC, 50V 2.2UF M
CS08	24797229	ELECTROLYTIC, 50V 2.2UF M
CS09	24797229	ELECTROLYTIC, 50V 2.2UF M
CS10	24797229	ELECTROLYTIC, 50V 2.2UF M
CS14	24797100	ELECTROLYTIC, 50V 10UF M
CS15	24797100	ELECTROLYTIC, 50V 10UF M
CS19	24797478	ELECTROLYTIC, 50V 0.47UF M
CS20	24797100	ELECTROLYTIC, 50V 10UF M
CS21	24797100	ELECTROLYTIC, 50V 10UF M
CS22	24797479	ELECTROLYTIC, 50V 4.7UF M
CS23	24797479	ELECTROLYTIC, 50V 4.7UF M
CS24	24797010	ELECTROLYTIC, 50V 1UF M
CS25	24797229	ELECTROLYTIC, 50V 2.2UF M
CS26	24797229	ELECTROLYTIC, 50V 2.2UF M
CS27	24797479	ELECTROLYTIC, 50V 4.7UF M
CS28	24797479	ELECTROLYTIC, 50V 4.7UF M
CS29	24797479	ELECTROLYTIC, 50V 4.7UF M
CS30	24797479	ELECTROLYTIC, 50V 4.7UF M
CS31	24797470	ELECTROLYTIC, 50V 47UF M
CS60	24109102	CERAMIC CHIP, 50V B 1000PF K
CS61	24797478	ELECTROLYTIC, 50V 0.47UF M
CS62	24797100	ELECTROLYTIC, 50V 10UF M
CS63	24797100	ELECTROLYTIC, 50V 10UF M
CS64	24108101	CERAMIC CHIP, 50V SL 100PF J
CS65	24797100	ELECTROLYTIC, 50V 10UF M
CS66	24797100	ELECTROLYTIC, 50V 10UF M
CS67	24796221	ELECTROLYTIC, 35V 220UF M
CS68	24797100	ELECTROLYTIC, 50V 10UF M
CS69	24109102	CERAMIC CHIP, 50V B 1000PF K
CT01	24794221	ELECTROIYTIC, 16V 220UF M (44A9UR)
CT02	24100103	CERAMIC CHIP, 50V F 10000PF Z (44A9UR)
CT03	24100103	CERAMIC CHIP, 50V F 10000PF Z (44A9UR)
CT04	24794101	ELECTROLYTIC, 16V 100UF M (44A9UR)
CT05	24092730	CERAMIC CHIP, 16V B 0.1UF K (44A9UR)
CT06	24794470	ELECTORLYTIC, 16V 47UF M (44A9UR)
CT07	24794100	ELECTROLYTIC, 16V 10UF M (44A9UR)
CT08	24105560	CERAMIC CHIP, 50V CH 56PF J (44A9UR)
CT09	24105560	CERAMIC CHIP, 50V CH 56PF J (44A9UR)
CT10	24794470	ELECTORLYTIC, 16V 47UF M (44A9UR)
CT11	24092730	CERAMIC CHIP, 16V B 0.1UF K (44A9UR)
CT12	24794470	ELECTORLYTIC, 16V 47UF M (44A9UR)
CT13	24092730	CERAMIC CHIP, 16V B 0.1UF K (44A9UR)
CT14	24591104	PLASTIC FILM, 50V 0.1UF J (44A9UR)
CT17	24591104	PLASTIC FILM, 50V 0.1UF J (44A9UR)
CT20	24092730	CERAMIC CHIP, 16V B 0.1UF K (44A9UR)
CT21	24794100	ELECTROLYTIC, 16V 10UF M (44A9UR)
CV01	24092730	CERAMIC CHIP, 16V B 0.1UF K
CV02	24092730	CERAMIC CHIP, 16V B 0.1UF K
CV03	24092730	CERAMIC CHIP, 16V B 0.1UF K
CV04	24092730	CERAMIC CHIP, 16V B 0.1UF K
CV05	24092730	CERAMIC CHIP, 16V B 0.1UF K
CV06	24794101	ELECTROLYTIC, 16V 100UF M
CV07	24109103	CERAMIC CHIP, 50V B 10000PF K
CV09	24092730	CERAMIC CHIP, 16V B 0.1UF K
CV17	24794220	ELECTROLYTIC, 16V 22UF M
CV18	24109473	CERAMIC CHIP, 25V B 47000PFK
CV23	24794101	ELECTROLYTIC, 16V 100UF M
CV24	24109103	CERAMIC CHIP, 50V B 10000PF K
CV25	24797010	ELECTROLYTIC, 50V 1UF M
CV37	24109103	CERAMIC CHIP, 50V B 10000PF K
CV71	24794471	ELECTROLYTIC, 16V 470UF M
CV72	24797101	ELECTROLYTIC, 50V 100UF M
CV73	24109103	CERAMIC CHIP, 50V B 10000PF K
CV100	24212102	CERAMIC DISC, 50V B 1000PF K
CV214	24100103	CERAMIC CHIP, 50V F 10000PF Z

Location No.	Parts No.	Description
CV215	24794470	ELECTORLYTIC, 16V 47UF M
CV216	24100103	CERAMIC CHIP, 50V F 10000PF Z
CV217	24794470	ELECTORLYTIC, 16V 47UF M
CV218	24100103	CERAMIC CHIP, 50V F 10000PF Z
CV219	24794101	ELECTROLYTIC, 16V 100UF M
CV221	24794470	ELECTORLYTIC, 16V 47UF M
CX541	24203100	ELECTORLYTIC, 16V 10UF M 7L 3A
CX551	24100104	CERAMIC CHIP, 25V F 100000PF Z
CX552	24105100	CERAMIC CHIP, 50V CH 10PF D
CX553	24105150	CERAMIC CHIP, 50V CH 15PF J
CX554	24105150	CERAMIC CHIP, 50V CH 15PF J
CX555	24100104	CERAMIC CHIP, 25V F 100000PF Z
CX556	24203101	ELECTROLYTIC, 16V 100UF M 7L 3A
CX561	24100104	CERAMIC CHIP, 25V F 100000PF Z
CX562	24105101	CERAMIC CHIP, 50V CH 100PF J
CX564	24105330	CERAMIC CHIP, 50V CH 33PF J
CX565	24100104	CERAMIC CHIP, 25V F 100000PF Z
CX571	24100104	CERAMIC CHIP, 25V F 100000PF Z
CX572	24105101	CERAMIC CHIP, 50V CH 100PF J
CX574	24105330	CERAMIC CHIP, 50V CH 33PF J
CX575	24100104	CERAMIC CHIP, 25V F 100000PF Z
CX601	24793471	ELECTROLYTIC, 10V 470UF M
CX602	24202221	ELECTROLYTIC, 10V 220UF M 7L 3A
CX604	24100104	CERAMIC CHIP, 25V F 100000PF Z
CX605	24100104	CERAMIC CHIP, 25V F 100000PF Z
CX607	24100104	CERAMIC CHIP, 25V F 100000PF Z
CX608	24092730	CERAMIC CHIP, 16V B 0.1UF K
CX609	24092730	CERAMIC CHIP, 16V B 0.1UF K
CX610	24793221	ELECTROLYTIC, 10V 220UF M
CX611	24100104	CERAMIC CHIP, 25V F 100000PF Z
CX612	24092538	CERAMIC CHIP, 10V F 1UF Z
CX613	24092538	CERAMIC CHIP, 10V F 1UF Z
CX614	24092538	CERAMIC CHIP, 10V F 1UF Z
CX615	24092538	CERAMIC CHIP, 10V F 1UF Z
CX616	24100104	CERAMIC CHIP, 25V F 100000PF Z
CX617	24100104	CERAMIC CHIP, 25V F 100000PF Z
CX618	24100104	CERAMIC CHIP, 25V F 100000PF Z
CX619	24092538	CERAMIC CHIP, 10V F 1UF Z
CX620	24100104	CERAMIC CHIP, 25V F 100000PF Z
CX621	24092538	CERAMIC CHIP, 10V F 1UF Z
CX622	24100104	CERAMIC CHIP, 25V F 100000PF Z
CX623	24092538	CERAMIC CHIP, 10V F 1UF Z
CX624	24100104	CERAMIC CHIP, 25V F 100000PF Z
CX625	24100104	CERAMIC CHIP, 25V F 100000PF Z
CX626	24100104	CERAMIC CHIP, 25V F 100000PF Z
CX627	24092538	CERAMIC CHIP, 10V F 1UF Z
CX628	24100104	CERAMIC CHIP, 25V F 100000PF Z
CX629	24092538	CERAMIC CHIP, 10V F 1UF Z
CX630	24100104	CERAMIC CHIP, 25V F 100000PF Z
CX631	24092538	CERAMIC CHIP, 10V F 1UF Z
CX632	24100104	CERAMIC CHIP, 25V F 100000PF Z
CX633	24100104	CERAMIC CHIP, 25V F 100000PF Z
CX640	24202101	ELECTROLYTIC, 10V 100UF M 7L 3A
CX641	24092538	CERAMIC CHIP, 10V F 1UF Z
CX642	24092538	CERAMIC CHIP, 10V F 1UF Z
CX643	24092538	CERAMIC CHIP, 10V F 1UF Z
CX644	24092538	CERAMIC CHIP, 10V F 1UF Z
CX645	24092538	CERAMIC CHIP, 10V F 1UF Z
CX646	24092538	CERAMIC CHIP, 10V F 1UF Z
CX647	24092538	CERAMIC CHIP, 10V F 1UF Z
CX670	24203101	ELECTROLYTIC, 16V 100UF M 7L 3A
CX671	24100104	CERAMIC CHIP, 25V F 100000PF Z
CX673	24201101	ELECTROLYTIC, 6.3V 100UF M 7L 3A
CX674	24100104	CERAMIC CHIP, 25V F 100000PF Z
CX675	24100104	CERAMIC CHIP, 25V F 100000PF Z
CX676	24100104	CERAMIC CHIP, 25V F 100000PF Z
CX691	24092730	CERAMIC CHIP, 16V B 0.1UF K

Location No.	Parts No.	Description
CY01	24100103	CERAMIC CHIP, 50V F 10000PF Z
CY04	24797221	ELECTROLYTIC, 50V 220UF M
CY05	24100103	CERAMIC CHIP, 50V F 10000PF Z
CY06	24797479	ELECTROLYTIC, 50V 4.7UF M
CY07	24100103	CERAMIC CHIP, 50V F 10000PF Z
CY09	24797470	ELECTROLYTIC, 50V 47UF M
CY10	24100103	CERAMIC CHIP, 50V F 10000PF Z
CZ01	24108101	CERAMIC CHIP, 50V SL 100PF J
CZ02	24108101	CERAMIC CHIP, 50V SL 100PF J
CZ03	24794470	ELECTORLYTIC, 16V 47UF M
CZ45	24105100	CERAMIC CHIP, 50V CH 10PF D
RESISTORS		
R110	24011682	CHIP, METAL FILM, 1/20W 6.8K OHM J
R111	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
R112	24011153	CHIP, METAL FILM, 1/2OW 15K OHM J
R113	24871102	CHIP, METAL FILM, 1/8W 1K OHM J
R114	24011121	CHIP, METAL FILM, 1/20W 120 OHM J
R115	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
R116	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
R118	24871331	CHIP, METAL FILM, 1/8W 330 OHM J
R119	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
R120	24011682	CHIP, METAL FILM, 1/20W 6.8K OHM J
R121	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
R122	24011153	CHIP, METAL FILM, 1/2OW 15K OHM J
R123	24871102	CHIP, METAL FILM, 1/8W 1K OHM J
R124	24011121	CHIP, METAL FILM, 1/20W 120 OHM J
R125	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
R126	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
R128	24871331	CHIP, METAL FILM, 1/8W 330 OHM J
R129	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
R130	24011682	CHIP, METAL FILM, 1/20W 6.8K OHM J
R131	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
R132	24011153	CHIP, METAL FILM, 1/2OW 15K OHM J
R133	24871102	CHIP, METAL FILM, 1/8W 1K OHM J
R134	24011121	CHIP, METAL FILM, 1/20W 120 OHM J
R135	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
R136	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
R138	24871681	CHIP, METAL FILM, 1/8W 680 OHM J
R139	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
R140	24011682	CHIP, METAL FILM, 1/20W 6.8K OHM J
R141	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
R142	24011153	CHIP, METAL FILM, 1/2OW 15K OHM J
R143	24871102	CHIP, METAL FILM, 1/8W 1K OHM J
R144	24011121	CHIP, METAL FILM, 1/20W 120 OHM J
R145	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
R146	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
R148	24871681	CHIP, METAL FILM, 1/8W 680 OHM J
R149	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
R150	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
R151	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
R152	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
R153	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
R154	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
R155	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
R165	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
R169	24871271	CHIP, METAL FILM, 1/8W 270 OHM J
R171	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
R172	24000445	CHIP JUMPER, 1608TYPE
R176	24011152	CHIP, METAL FILM, 1/20W 1.5K OHM J
R177	24011152	CHIP, METAL FILM, 1/20W 1.5K OHM J
R178	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
R179	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
R180	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R181	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R182	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
R186	24871271	CHIP, METAL FILM, 1/8W 270 OHM J

Location No.	Parts No.	Description
R201	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R204	24872224	CHIP, METAL FILM, 1/16W 220K OHM J
R207	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R208	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R209	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R210	24000824	JUMPER CHIP, 2125TYPE
R213	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R220	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R221	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J
R223	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J
R230	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R232	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R232	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
R233	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R234	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R235	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
R235	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R236	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J
R236	24011123	CHIP, METAL FILM, 1/20W 12K OHM J
R237	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J
R237	24011393	CHIP, METAL FILM, 1/20W 39K OHM J
R239	24011334	CHIP, METAL FILM, 1/20W 330K OHM J
R245	24000445	CHIP JUMPER, 1608TYPE
R246	24000445	CHIP JUMPER, 1608TYPE
R247	24000445	CHIP JUMPER, 1608TYPE
R260	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R269	24872122	CHIP, METAL FILM, 1/16W 1.2K OHM J
R270	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R271	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J
R272	24872222	CHIP, METAL FILM, 1/16W 2.2K OHM J
R273	24872272	CHIP, METAL FILM, 1/16W 2.7K OHM J
R274	24872473	CHIP, METAL FILM, 1/16W 47K OHM J
R275	24872223	CHIP, METAL FILM, 1/16W 22K OHM J
R276	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R277	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R278	24872222	CHIP, METAL FILM, 1/16W 2.2K OHM J
R279	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J
R280	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R281	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R282	24872152	CHIP, METAL FILM, 1/16W 1.5K OHM J
R282	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R283	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
R283	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R284	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
R284	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
R285	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J
R285	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
R286	24011152	CHIP, METAL FILM, 1/20W 1.5K OHM J
R287	24011561	CHIP, METAL FILM, 1/20W 560 OHM J
R288	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
R289	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
R290	24011511	CHIP, METAL FILM, 1/20W 510 OHM J
R291	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R292	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
R293	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
R402	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R404	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R406	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R408	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R410	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R412	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R414	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R420	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R421	24872681	CHIP, METAL FILM, 1/16W 680 OHM J
R421	24011221	CHIP, METAL FILM, 1/20W 220 OHM J
R422	24011221	CHIP, METAL FILM, 1/20W 220 OHM J
R424	24011221	CHIP, METAL FILM, 1/20W 220 OHM J

Location No.	Parts No.	Description
R425	24011221	CHIP, METAL FILM, 1/20W 220 OHM J
R426	24011221	CHIP, METAL FILM, 1/20W 220 OHM J
R427	24011221	CHIP, METAL FILM, 1/20W 220 OHM J
R428	24011221	CHIP, METAL FILM, 1/20W 220 OHM J
R429	24011221	CHIP, METAL FILM, 1/20W 220 OHM J
R430	24011221	CHIP, METAL FILM, 1/20W 220 OHM J
R433	24321479	OXIDE METAL FILM, 1/2W 4.7 OHM J
R440	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R450	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
R451	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
R452	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
R453	24011301	CHIP, METAL FILM, 1/20W 300 OHM J
R454	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
R455	24011561	CHIP, METAL FILM, 1/20W 560 OHM J
R457	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R458	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
R459	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R460	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R461	24000445	CHIP JUMPER, 1608TYPE
R462	24000445	CHIP JUMPER, 1608TYPE
R465	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R466	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R467	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R468	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
R480	24011221	CHIP, METAL FILM, 1/20W 220 OHM J
R481	24011221	CHIP, METAL FILM, 1/20W 220 OHM J
R483	24011221	CHIP, METAL FILM, 1/20W 220 OHM J
R484	24011221	CHIP, METAL FILM, 1/20W 220 OHM J
R502	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R503	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R512	24872223	CHIP, METAL FILM, 1/16W 22K OHM J
R513	24872753	CHIP, METAL FILM, 1/16W 75K OHM J
R514	24872183	CHIP, METAL FILM, 1/16W 18K OHM J
R530	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R531	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R532	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R533	24872222	CHIP, METAL FILM, 1/16W 2.2K OHM J
R534	24872222	CHIP, METAL FILM, 1/16W 2.2K OHM J
R536	24872222	CHIP, METAL FILM, 1/16W 2.2K OHM J
R537	24872330	CHIP, METAL FILM, 1/16W 33 OHM J
R538	24872330	CHIP, METAL FILM, 1/16W 33 OHM J
R539	24872330	CHIP, METAL FILM, 1/16W 33 OHM J
R540	24000143	METAL FILM, 1/4W 270 OHM F
R541	24000143	METAL FILM, 1/4W 270 OHM F
R542	24000143	METAL FILM, 1/4W 270 OHM F
R544	24872331	CHIP, METAL FILM, 1/16W 330 OHM J
R545	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
R546	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
R547	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
R548	24872471	CHIP, METAL FILM, 1/16W 470 OHM J
R549	24872471	CHIP, METAL FILM, 1/16W 470 OHM J
R550	24872471	CHIP, METAL FILM, 1/16W 470 OHM J
R551	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J
R552	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
R553	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J
R555	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
R556	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R570	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R571	24872222	CHIP, METAL FILM, 1/16W 2.2K OHM J
R572	24872222	CHIP, METAL FILM, 1/16W 2.2K OHM J
R577	24872182	CHIP, METAL FILM, 1/16W 1.8K OHM J
R578	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R579	24872222	CHIP, METAL FILM, 1/16W 2.2K OHM J
R586	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R592	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J
R593	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
R594	24872102	CHIP, METAL FILM, 1/16W 1K OHM J

Location No.	Parts No.	Description
R595	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J
R596	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
R597	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
R601	24872562	CHIP, METAL FILM, 1/16W 5.6K OHM J
R602	24872562	CHIP, METAL FILM, 1/16W 5.6K OHM J
R603	24872272	CHIP, METAL FILM, 1/16W 2.7K OHM J
R604	24872272	CHIP, METAL FILM, 1/16W 2.7K OHM J
R605	24366229	CARBON FILM, 1/6W 2.2 OHM J
R606	24366229	CARBON FILM, 1/6W 2.2 OHM J
R607	24872822	CHIP, METAL FILM, 1/16W 8.2K OHM J
R608	24872822	CHIP, METAL FILM, 1/16W 8.2K OHM J
R609	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R610	24872104	CHIP, METAL FILM, 1/16W 100K OHM J
R611	24872224	CHIP, METAL FILM, 1/16W 220K OHM J
R612	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R613	24872331	CHIP, METAL FILM, 1/16W 330 OHM J
R614	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J
R661	24552391	OXIDE METAL FILM, 1/2W 390 OHM J
R662	24552391	OXIDE METAL FILM, 1/2W 390 OHM J
R682	24872473	CHIP, METAL FILM, 1/16W 47K OHM J
R683	24872223	CHIP, METAL FILM, 1/16W 22K OHM J
R684	24872223	CHIP, METAL FILM, 1/16W 22K OHM J
R685	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R686	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R688	24872222	CHIP, METAL FILM, 1/16W 2.2K OHM J
R699	24000445	CHIP JUMPER, 1608TYPE
R701	24872470	CHIP, METAL FILM, 1/16W 47 OHM J
R702	24872470	CHIP, METAL FILM, 1/16W 47 OHM J
R703	24872331	CHIP, METAL FILM, 1/16W 330 OHM J
R704	24872561	CHIP, METAL FILM, 1/16W 560 OHM J
R705	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
R706	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R707	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R708	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R709	24872330	CHIP, METAL FILM, 1/16W 33 OHM J
R710	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R711	24872105	CHIP, METAL FILM, 1/16W 1M OHM J
R712	24872330	CHIP, METAL FILM, 1/16W 33 OHM J
R715	24872330	CHIP, METAL FILM, 1/16W 33 OHM J
R716	24872330	CHIP, METAL FILM, 1/16W 33 OHM J
R717	24872330	CHIP, METAL FILM, 1/16W 33 OHM J
R718	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J
R719	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J
R720	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J
R722	24872560	CHIP, METAL FILM, 1/16W 56 OHM J
R723	24000824	JUMPER CHIP, 2125TYPE
R725	24872123	CHIP, METAL FILM, 1/16W 12K OHM J
R737	24872560	CHIP, METAL FILM, 1/16W 56 OHM J
R738	24872330	CHIP, METAL FILM, 1/16W 33 OHM J
R739	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R740	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R741	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R741	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R742	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R742	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R743	24872330	CHIP, METAL FILM, 1/16W 33 OHM J
R743	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R744	24872330	CHIP, METAL FILM, 1/16W 33 OHM J
R744	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R745	24872560	CHIP, METAL FILM, 1/16W 56 OHM J
R745	24011221	CHIP, METAL FILM, 1/20W 220 OHM J
R746	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R746	24011221	CHIP, METAL FILM, 1/20W 220 OHM J
R747	24872560	CHIP, METAL FILM, 1/16W 56 OHM J
R748	24872330	CHIP, METAL FILM, 1/16W 33 OHM J
R749	24872330	CHIP, METAL FILM, 1/16W 33 OHM J
R750	24872101	CHIP, METAL FILM, 1/16W 100 OHM J

Location No.	Parts No.	Description
R751	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R752	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R753	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R756	24872470	CHIP, METAL FILM, 1/16W 47 OHM J
R778	24872330	CHIP, METAL FILM, 1/16W 33 OHM J
R785	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R786	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R790	24000445	CHIP JUMPER, 1608TYPE
R791	24000445	CHIP JUMPER, 1608TYPE
R792	24000445	CHIP JUMPER, 1608TYPE
R793	24000445	CHIP JUMPER, 1608TYPE
R794	24000445	CHIP JUMPER, 1608TYPE
⚠ R801	24009954	METAL FILN, 1/2W 2.2M OHM J
R811	24568479	CERAMIC COVERED, 7W 4.7 OHM J
R812	24007061	CERAMIC COVERD, 2W 1.8 OHM K
R818	24383473	OXIDE METAL FILM, 2W 47K OHM J
R819	24366331	CARBON FILM, 1/6W 330 OHM J
R820	24338109	OXIDE METAL FILM, 1W 1 OHM J (44A9UH)
R821	24366331	CARBON FILM, 1/6W 330 OHM J
R822	24383333	OXIDE METAL FILM, 2W 33K OHM J
R823	24382124	OXIDE METAL FILM, 1W 120K OHM J
R824	24366332	CARBON FILM, 1/6W 3.3K OHM J
R825	24310479	OXIDE METAL FILM, 1/2W 4.7 OHM J (44A9UH)
R826	24366102	CARBON FILM, 1/6W 1K OHM J
R827	24366332	CARBON FILM, 1/6W 3.3K OHM J
R828	24366473	CARBON FILM, 1/6W 47K OHM J
R829	24366153	CARBON FILM, 1/6W 15K OHM J
R830	24366682	CARBON FILM, 1/6W 6.8K OHM J
R831	24366822	CARBON FILM, 1/6W 8.2K OHM J
R832	24366683	CARBON FILM, 1/6W 68K OHM J
R833	24366223	CARBON FILM, 1/6W 22K OHM J
R834	24366682	CARBON FILM, 1/6W 6.8K OHM J
R835	24366823	CARBON FILM, 1/6W 82K OHM J
R836	24366683	CARBON FILM, 1/6W 68K OHM J
R837	24366223	CARBON FILM, 1/6W 22K OHM J
R838	24366223	CARBON FILM, 1/6W 22K OHM J
R842	24366103	CARBON FILM, 1/6W 10K OHM J
R843	24366103	CARBON FILM, 1/6W 10K OHM J
R844	24366471	CARBON FILM, 1/6W 470 OHM J
R845	24545470	FUSIBLE 1/4W 47 OHMJ
R846	24366472	CARBON FILM, 1/6W 4.7K OHM J
R847	24366472	CARBON FILM, 1/6W 4.7K OHM J
R848	24366472	CARBON FILM, 1/6W 4.7K OHM J
R849	24383680	OXIDE METAL FILM, 2W 68 OHM J
R850	24366102	CARBON FILM, 1/6W 1K OHM J
R851	24366272	CARBON FILM, 1/6W 2.7K OHM J
R852	24366103	CARBON FILM, 1/6W 10K OHM J
R853	24366682	CARBON FILM, 1/6W 6.8K OHM J
R854	24366472	CARBON FILM, 1/6W 4.7K OHM J
R855	24366472	CARBON FILM, 1/6W 4.7K OHM J
R856	24366104	CARBON FILM, 1/6W 100K OHM J
R857	24366103	CARBON FILM, 1/6W 10K OHM J
R858	24366471	CARBON FILM, 1/6W 470 OHM J
R859	24366331	CARBON FILM, 1/6W 330 OHM J
R861	24383154	OXIDE METAL FILM, 2W 150K OHM J
R862	24381220	OXIDE METAL FILM, 1/2W 22 OHM J
R864	24552102	OXIDE METAL FILM, 1/2W 1K OHM J
R865	24552470	OXIDE METAL FILM, 1/2W 47 OHM J
R867	24366124	CARBON FILM, 1/6W 120K OHM J (44A9UH)
R867	24366104	CARBON FILM, 1/6W 100K OHM J (44A9UR)
R868	24366683	CARBON FILM, 1/6W 68K OHM J
R869	24381392	OXIDE METAL FILM, 1/2W 3.9K OHM J
R870	24381131	OXIDE METAL FILM, 1/2W 130 OHM J

Location No.	Parts No.	Description
R871	24321109	OXIDE METAL FILM, 1/2W 1 OHM J
R872	24377334	CARBON FILM, 1W 330K OHM J
R883	24552102	OXIDE METAL FILM, 1/2W 1K OHM J
R884	24366221	CARBON FILM, 1/6W 220 OHM J
R896	24382392	OXIDE METAL FILM, 1W 3.9K OHM J
⚠ R899	24005015	METAL GLAZE, 1W 8.2M OHM J
R901	24019400	CHIP BLOCK, 1/16W 100 OHM J P-8
R901	24872122	CHIP, METAL FILM, 1/16W 1.2K OHM J
R902	24019400	CHIP BLOCK, 1/16W 100 OHM J P-8
R902	24872152	CHIP, METAL FILM, 1/16W 1.5K OHM J
R903	24019400	CHIP BLOCK, 1/16W 100 OHM J P-8
R903	24872222	CHIP, METAL FILM, 1/16W 2.2K OHM J
R904	24019400	CHIP BLOCK, 1/16W 100 OHM J P-8
R904	24872681	CHIP, METAL FILM, 1/16W 680 OHM J
R905	24019400	CHIP BLOCK, 1/16W 100 OHM J P-8
R905	24872122	CHIP, METAL FILM, 1/16W 1.2K OHM J
R906	24019400	CHIP BLOCK, 1/16W 100 OHM J P-8
R906	24872152	CHIP, METAL FILM, 1/16W 1.5K OHM J
R907	24019400	CHIP BLOCK, 1/16W 100 OHM J P-8
R907	24872222	CHIP, METAL FILM, 1/16W 2.2K OHM J
R908	24019400	CHIP BLOCK, 1/16W 100 OHM J P-8
R908	24872681	CHIP, METAL FILM, 1/16W 680 OHM J
R909	24019400	CHIP BLOCK, 1/16W 100 OHM J P-8
R909	24872122	CHIP, METAL FILM, 1/16W 1.2K OHM J
R910	24019400	CHIP BLOCK, 1/16W 100 OHM J P-8
R910	24872152	CHIP, METAL FILM, 1/16W 1.5K OHM J
R911	24019400	CHIP BLOCK, 1/16W 100 OHM J P-8
R911	24872222	CHIP, METAL FILM, 1/16W 2.2K OHM J
R912	24019400	CHIP BLOCK, 1/16W 100 OHM J P-8
R912	24872681	CHIP, METAL FILM, 1/16W 680 OHM J
R913	24872394	CHIP, METAL FILM, 1/16W 390K OHM J
R914	24872394	CHIP, METAL FILM, 1/16W 390K OHM J
R915	24872394	CHIP, METAL FILM, 1/16W 390K OHM J
R916	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R917	24872303	CHIP, METAL FILM, 1/16W 30K OHM J
R918	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R919	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R920	24872333	CHIP, METAL FILM, 1/16W 33K OHM J
R921	24872221	CHIP, METAL FILM, 1/16W 220 OHM J
R922	24872221	CHIP, METAL FILM, 1/16W 220 OHM J
R923	24872221	CHIP, METAL FILM, 1/16W 220 OHM J
R924	24872221	CHIP, METAL FILM, 1/16W 220 OHM J
R925	24872221	CHIP, METAL FILM, 1/16W 220 OHM J
R926	24872221	CHIP, METAL FILM, 1/16W 220 OHM J
R927	24872221	CHIP, METAL FILM, 1/16W 220 OHM J
R929	24872331	CHIP, METAL FILM, 1/16W 330 OHM J
R930	24872331	CHIP, METAL FILM, 1/16W 330 OHM J
R931	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R932	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R933	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R934	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R935	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R936	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R937	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R938	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R939	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R940	24000573	CHIP, 1/16W 1K OHM F
R941	24000447	CHIP, 1/6W 1.2K OHM F
R942	24000606	CHIP, 1/16W 8.2K OHM F
R943	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R944	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R945	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R946	24872682	CHIP, METAL FILM, 1/16W 6.8K OHM J
R947	24872273	CHIP, METAL FILM, 1/16W 27K OHM J
R948	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J
R949	24872103	CHIP, METAL FILM, 1/16W 10K OHM J

Location No.	Parts No.	Description
R950	24069068	VARIABLE, CHIP PN03G 1/10W B 20K OHM N
R951	24872394	CHIP, METAL FILM, 1/16W 390K OHM J
R952	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R953	24872682	CHIP, METAL FILM, 1/16W 6.8K OHM J
R954	24872272	CHIP, METAL FILM, 1/16W 2.7K OHM J
R955	24872272	CHIP, METAL FILM, 1/16W 2.7K OHM J
R956	24872271	CHIP, METAL FILM, 1/16W 270 OHM J
R957	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J
R958	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J
R959	24872562	CHIP, METAL FILM, 1/16W 5.6K OHM J
R960	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R961	24872123	CHIP, METAL FILM, 1/16W 12K OHM J
R962	24872182	CHIP, METAL FILM, 1/16W 1.8K OHM J
R963	24872151	CHIP, METAL FILM, 1/16W 150 OHM J
R964	24872122	CHIP, METAL FILM, 1/16W 1.2K OHM J
R965	24872123	CHIP, METAL FILM, 1/16W 12K OHM J
R966	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R967	24872123	CHIP, METAL FILM, 1/16W 12K OHM J
R968	24872751	CHIP, METAL FILM, 1/16W 750 OHM J
R970	24872822	CHIP, METAL FILM, 1/16W 8.2K OHM J
R971	24872751	CHIP, METAL FILM, 1/16W 750 OHM J
R972	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
R973	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R975	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R976	24872333	CHIP, METAL FILM, 1/16W 33K OHM J
R977	24872392	CHIP, METAL FILM, 1/16W 3.9K OHM J
R978	24872272	CHIP, METAL FILM, 1/16W 2.7K OHM J
R979	24872751	CHIP, METAL FILM, 1/16W 750 OHM J
R980	24872123	CHIP, METAL FILM, 1/16W 12K OHM J
R982	24872362	CHIP, METAL FILM, 1/16W 3.6K OHM J
R983	24872751	CHIP, METAL FILM, 1/16W 750 OHM J
R984	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
R985	24872182	CHIP, METAL FILM, 1/16W 1.8K OHM J
R987	24872104	CHIP, METAL FILM, 1/16W 100K OHM J
R988	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R990	24000824	JUMPER CHIP, 2125TYPE
R991	24000824	JUMPER CHIP, 2125TYPE
R992	24000824	JUMPER CHIP, 2125TYPE
R993	24000824	JUMPER CHIP, 2125TYPE
R994	24000824	JUMPER CHIP, 2125TYPE
R995	24000824	JUMPER CHIP, 2125TYPE
R996	24000824	JUMPER CHIP, 2125TYPE
R997	24872123	CHIP, METAL FILM, 1/16W 12K OHM J
R998	24872223	CHIP, METAL FILM, 1/16W 22K OHM J
R3385	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
R3386	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
R4401	24872361	CHIP, METAL FILM, 1/16W 360 OHM J
R4406	24872622	CHIP, METAL FILM, 1/16W 6.2K OHM J
R4416	24872471	CHIP, METAL FILM, 1/16W 470 OHM J
R4417	24872471	CHIP, METAL FILM, 1/16W 470 OHM J
R4560	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R4561	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R9108	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R9114	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R9130	24000824	JUMPER CHIP, 2125TYPE
R9131	24000824	JUMPER CHIP, 2125TYPE
R9132	24000824	JUMPER CHIP, 2125TYPE
R9133	24000824	JUMPER CHIP, 2125TYPE
R9134	24000824	JUMPER CHIP, 2125TYPE
R9135	24000824	JUMPER CHIP, 2125TYPE
R9136	24000824	JUMPER CHIP, 2125TYPE
R9137	24000824	JUMPER CHIP, 2125TYPE
R9138	24000824	JUMPER CHIP, 2125TYPE
R9139	24000824	JUMPER CHIP, 2125TYPE
R9140	24000824	JUMPER CHIP, 2125TYPE
R9141	24000824	JUMPER CHIP, 2125TYPE

Location No.	Parts No.	Description
R9142	24000824	JUMPER CHIP, 2125TYPE
R9143	24000824	JUMPER CHIP, 2125TYPE
R9144	24000824	JUMPER CHIP, 2125TYPE
R9145	24000824	JUMPER CHIP, 2125TYPE
R9146	24000824	JUMPER CHIP, 2125TYPE
R9147	24000824	JUMPER CHIP, 2125TYPE
R9151	24872271	CHIP, METAL FILM, 1/16W 270 OHM J
R9152	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9153	24872123	CHIP, METAL FILM, 1/16W 12K OHM J
R9154	24872392	CHIP, METAL FILM, 1/16W 3.9K OHM J
R9155	24872241	CHIP, METAL FILM, 1/16W 240 OHM J
R9156	24872181	CHIP, METAL FILM, 1/16W 180 OHM J
R9157	24872241	CHIP, METAL FILM, 1/16W 240 OHM J
R9161	24872271	CHIP, METAL FILM, 1/16W 270 OHM J
R9163	24000824	JUMPER CHIP, 2125TYPE
R9165	24000824	JUMPER CHIP, 2125TYPE
R9167	24000824	JUMPER CHIP, 2125TYPE
R9601	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9602	24872473	CHIP, METAL FILM, 1/16W 47K OHM J
R9603	24872394	CHIP, METAL FILM, 1/16W 390K OHM J
R9604	24872394	CHIP, METAL FILM, 1/16W 390K OHM J
R9605	24872394	CHIP, METAL FILM, 1/16W 390K OHM J
R9606	24872394	CHIP, METAL FILM, 1/16W 390K OHM J
R9607	24872394	CHIP, METAL FILM, 1/16W 390K OHM J
R9608	24872394	CHIP, METAL FILM, 1/16W 390K OHM J
R9609	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9610	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9611	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9612	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9613	24872223	CHIP, METAL FILM, 1/16W 22K OHM J
R9614	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9615	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9616	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9617	24872153	CHIP, METAL FILM, 1/16W 15K OHM J
R9618	24872153	CHIP, METAL FILM, 1/16W 15K OHM J
R9631	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9632	24872473	CHIP, METAL FILM, 1/16W 47K OHM J
R9633	24872394	CHIP, METAL FILM, 1/16W 390K OHM J
R9634	24872394	CHIP, METAL FILM, 1/16W 390K OHM J
R9635	24872394	CHIP, METAL FILM, 1/16W 390K OHM J
R9636	24872394	CHIP, METAL FILM, 1/16W 390K OHM J
R9637	24872394	CHIP, METAL FILM, 1/16W 390K OHM J
R9638	24872394	CHIP, METAL FILM, 1/16W 390K OHM J
R9639	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9640	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9641	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9642	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9643	24872223	CHIP, METAL FILM, 1/16W 22K OHM J
R9644	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9645	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9646	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9661	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9662	24872473	CHIP, METAL FILM, 1/16W 47K OHM J
R9663	24872394	CHIP, METAL FILM, 1/16W 390K OHM J
R9664	24872394	CHIP, METAL FILM, 1/16W 390K OHM J
R9665	24872394	CHIP, METAL FILM, 1/16W 390K OHM J
R9666	24872394	CHIP, METAL FILM, 1/16W 390K OHM J
R9667	24872394	CHIP, METAL FILM, 1/16W 390K OHM J
R9668	24872394	CHIP, METAL FILM, 1/16W 390K OHM J
R9669	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9670	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9671	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9672	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9673	24872223	CHIP, METAL FILM, 1/16W 22K OHM J
R9674	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9675	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9676	24872101	CHIP, METAL FILM, 1/16W 100 OHM J

Location No.	Parts No.	Description
R9691	24000824	JUMPER CHIP, 2125TYPE
R9692	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9701	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9702	24000824	JUMPER CHIP, 2125TYPE
R9703	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9704	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
R9705	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R9706	24872431	CHIP, METAL FILM, 1/16W 430 OHM J
R9707	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9708	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
R9709	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9710	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
R9711	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9712	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
R9713	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9714	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
R9715	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9716	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
R9717	24872223	CHIP, METAL FILM, 1/16W 22K OHM J
R9718	24872223	CHIP, METAL FILM, 1/16W 22K OHM J
R9719	24872223	CHIP, METAL FILM, 1/16W 22K OHM J
R9720	24872223	CHIP, METAL FILM, 1/16W 22K OHM J
R9721	24872223	CHIP, METAL FILM, 1/16W 22K OHM J
R9722	24872223	CHIP, METAL FILM, 1/16W 22K OHM J
R9723	24872223	CHIP, METAL FILM, 1/16W 22K OHM J
R9724	24872223	CHIP, METAL FILM, 1/16W 22K OHM J
R9725	24000574	CHIP, 1/16W 2.7K OHM F
R9726	24000574	CHIP, 1/16W 2.7K OHM F
R9727	24000574	CHIP, 1/16W 2.7K OHM F
R9728	24000574	CHIP, 1/16W 2.7K OHM F
R9729	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9730	24000574	CHIP, 1/16W 2.7K OHM F
R9731	24000574	CHIP, 1/16W 2.7K OHM F
R9732	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9733	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9734	24872682	CHIP, METAL FILM, 1/16W 6.8K OHM J
R9735	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R9736	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R9737	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9738	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9739	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9740	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9741	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9742	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9743	24872561	CHIP, METAL FILM, 1/16W 560 OHM J
R9744	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9745	24872203	CHIP, METAL FILM, 1/16W 20K OHM J
R9746	24872203	CHIP, METAL FILM, 1/16W 20K OHM J
R9747	24872203	CHIP, METAL FILM, 1/16W 20K OHM J
R9748	24872203	CHIP, METAL FILM, 1/16W 20K OHM J
R9749	24872203	CHIP, METAL FILM, 1/16W 20K OHM J
R9750	24069068	VARIABLE, CHIP PN03G 1/10W B 20K OHM N
R9751	24069068	VARIABLE, CHIP PN03G 1/10W B 20K OHM N
R9752	24069068	VARIABLE, CHIP PN03G 1/10W B 20K OHM N
R9753	24069068	VARIABLE, CHIP PN03G 1/10W B 20K OHM N
R9754	24069068	VARIABLE, CHIP PN03G 1/10W B 20K OHM N
R9760	24872203	CHIP, METAL FILM, 1/16W 20K OHM J
R9761	24872203	CHIP, METAL FILM, 1/16W 20K OHM J
R9762	24872203	CHIP, METAL FILM, 1/16W 20K OHM J
R9763	24872203	CHIP, METAL FILM, 1/16W 20K OHM J
R9764	24872203	CHIP, METAL FILM, 1/16W 20K OHM J
R9765	24872203	CHIP, METAL FILM, 1/16W 20K OHM J

Location No.	Parts No.	Description
R9766	24872203	CHIP, METAL FILM, 1/16W 20K OHM J
R9767	24872203	CHIP, METAL FILM, 1/16W 20K OHM J
R9768	24872203	CHIP, METAL FILM, 1/16W 20K OHM J
R9769	24872203	CHIP, METAL FILM, 1/16W 20K OHM J
R9770	24872203	CHIP, METAL FILM, 1/16W 20K OHM J
R9771	24872203	CHIP, METAL FILM, 1/16W 20K OHM J
R9772	24872203	CHIP, METAL FILM, 1/16W 20K OHM J
R9773	24872333	CHIP, METAL FILM, 1/16W 33K OHM J
R9774	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9775	24872561	CHIP, METAL FILM, 1/16W 560 OHM J
R9776	24872153	CHIP, METAL FILM, 1/16W 15K OHM J
R9777	24872822	CHIP, METAL FILM, 1/16W 8.2K OHM J
R9778	24872122	CHIP, METAL FILM, 1/16W 1.2K OHM J
R9799	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9800	24872561	CHIP, METAL FILM, 1/16W 560 OHM J
R9801	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9802	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9803	24872220	CHIP, METAL FILM, 1/16W 22 OHM J
R9804	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9805	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9806	24872220	CHIP, METAL FILM, 1/16W 22 OHM J
R9807	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9808	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9809	24872220	CHIP, METAL FILM, 1/16W 22 OHM J
R9810	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9811	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9812	24872220	CHIP, METAL FILM, 1/16W 22 OHM J
R9813	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9814	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9815	24872220	CHIP, METAL FILM, 1/16W 22 OHM J
R9816	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9817	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9818	24872220	CHIP, METAL FILM, 1/16W 22 OHM J
R9819	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9820	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9821	24872220	CHIP, METAL FILM, 1/16W 22 OHM J
R9822	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9823	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9824	24872220	CHIP, METAL FILM, 1/16W 22 OHM J
R9825	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9826	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9827	24872220	CHIP, METAL FILM, 1/16W 22 OHM J
R9828	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9829	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9830	24872220	CHIP, METAL FILM, 1/16W 22 OHM J
R9831	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9832	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9833	24872220	CHIP, METAL FILM, 1/16W 22 OHM J
R9834	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9835	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9836	24872220	CHIP, METAL FILM, 1/16W 22 OHM J
R9837	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9838	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9839	24872220	CHIP, METAL FILM, 1/16W 22 OHM J
R9840	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9841	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9842	24872220	CHIP, METAL FILM, 1/16W 22 OHM J
R9843	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9844	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9845	24872220	CHIP, METAL FILM, 1/16W 22 OHM J
R9846	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9847	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9848	24872220	CHIP, METAL FILM, 1/16W 22 OHM J
R9849	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9850	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9851	24872220	CHIP, METAL FILM, 1/16W 22 OHM J
R9852	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J

Location No.	Parts No.	Description
R9853	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R9854	24872220	CHIP, METAL FILM, 1/16W 22 OHM J
R9860	24000824	JUMPER CHIP, 2125TYPE
R9861	24000824	JUMPER CHIP, 2125TYPE
R9862	24000824	JUMPER CHIP, 2125TYPE
R9863	24000824	JUMPER CHIP, 2125TYPE
R9864	24000824	JUMPER CHIP, 2125TYPE
R9865	24000824	JUMPER CHIP, 2125TYPE
R9867	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
R9868	24000824	JUMPER CHIP, 2125TYPE
R9869	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
R9870	24872393	CHIP, METAL FILM, 1/16W 39K OHM J
R9902	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9903	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9906	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9907	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9910	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9911	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9914	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9915	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9918	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9919	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9922	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9923	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9926	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9927	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9930	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9931	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9934	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9935	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9938	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9939	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9942	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9943	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9946	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9947	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9950	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9951	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9954	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9955	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9958	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9959	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9962	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9963	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9966	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9967	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9970	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9971	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
R9973	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9974	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9975	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9976	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9977	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9978	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9979	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9980	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9981	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9982	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9983	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9984	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9985	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9986	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9987	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9988	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9989	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9990	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R9991	24872473	CHIP, METAL FILM, 1/16W 47K OHM J

Location No.	Parts No.	Description
R9992	24069068	VARIABLE, CHIP PN03G 1/10W B 20K OHM N
R9993	24872562	CHIP, METAL FILM, 1/16W 5.6K OHM J
R9994	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R9995	24872203	CHIP, METAL FILM, 1/16W 20K OHM J
R9996	24872153	CHIP, METAL FILM, 1/16W 15K OHM J
RA03	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RA04	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RA05	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RA06	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RA07	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RA08	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RA09	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RA13	24872682	CHIP, METAL FILM, 1/16W 6.8K OHM J
RA14	24872103	CHIP, METAL FILM, 1/16W 10K OHM J (44A9UR)
RA15	24872102	CHIP, METAL FILM, 1/16W 1K OHM J (44A9UH)
RA16	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RA17	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RA18	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RA19	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RA20	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RA22	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RA23	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RA24	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RA25	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RA33	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RA35	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RA36	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J
RA37	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RA38	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RA40	24872331	CHIP, METAL FILM, 1/16W 330 OHM J
RA41	24872331	CHIP, METAL FILM, 1/16W 330 OHM J
RA42	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J
RA43	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RA44	24000824	JUMPER CHIP, 2125TYPE
RA46	24000824	JUMPER CHIP, 2125TYPE
RA48	24000824	JUMPER CHIP, 2125TYPE
RA50	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RA51	24872393	CHIP, METAL FILM, 1/16W 39K OHM J
RA54	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RA55	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RA61	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RA62	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RA65	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
RA66	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
RA67	24872273	CHIP, METAL FILM, 1/16W 27K OHM J
RA68	24872273	CHIP, METAL FILM, 1/16W 27K OHM J
RA69	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RA71	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RA77	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RA100	24366333	CARBON FILM, 1/6W 33K OHM J
RA101	24366333	CARBON FILM, 1/6W 33K OHM J
RA102	24366101	CARBON FILM, 1/6W 100 OHM J
RA103	24366101	CARBON FILM, 1/6W 100 OHM J
RA104	24366472	CARBON FILM, 1/6W 4.7K OHM J
RA105	24366622	CARBON FILM, 1/6W 6.2K OHM J
RA106	24366912	CARBON FILM, 1/6W 9.1K OHM J
RA107	24366133	CARBON FILM, 1/6W 13K OHM J
RA108	24366223	CARBON FILM, 1/6W 22K OHM J
RA109	24366221	CARBON FILM, 1/6W 220 OHM J
RA110	24366221	CARBON FILM, 1/6W 220 OHM J
RA111	24366221	CARBON FILM, 1/6W 220 OHM J
RA112	24366221	CARBON FILM, 1/6W 220 OHM J
RA113	24366103	CARBON FILM, 1/6W 10K OHM J
RA114	24366103	CARBON FILM, 1/6W 10K OHM J

Location No.	Parts No.	Description
RA115	24366103	CARBON FILM, 1/6W 10K OHM J
RA116	24366103	CARBON FILM, 1/6W 10K OHM J
RA117	24366470	CARBON FILM, 1/6W 47 OHM J
RB02	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RB03	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RB04	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RB05	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RB08	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RB09	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RB10	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RB12	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RB13	24872154	CHIP, METAL FILM, 1/16W 150K OHM J
RB16	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RB26	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RB33	24872471	CHIP, METAL FILM, 1/16W 470 OHM J
RB35	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RB36	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RB37	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RB38	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RB39	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RB40	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RB41	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RB43	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RB44	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RB45	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RB52	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RB54	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RB55	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J
RB56	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J
RB57	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RB58	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RB59	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RB60	24872473	CHIP, METAL FILM, 1/16W 47K OHM J
RB61	24872122	CHIP, METAL FILM, 1/16W 1.2K OHM J
RB62	24872562	CHIP, METAL FILM, 1/16W 5.6K OHM J
RB63	24872123	CHIP, METAL FILM, 1/16W 12K OHM J
RB64	24872123	CHIP, METAL FILM, 1/16W 12K OHM J
RB65	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RB66	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J
RB67	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J
RB81	24872122	CHIP, METAL FILM, 1/16W 1.2K OHM J
RB82	24872123	CHIP, METAL FILM, 1/16W 12K OHM J
RB83	24872123	CHIP, METAL FILM, 1/16W 12K OHM J
RB84	24872562	CHIP, METAL FILM, 1/16W 5.6K OHM J
RB90	24872392	CHIP, METAL FILM, 1/16W 3.9K OHM J
RB91	24872473	CHIP, METAL FILM, 1/16W 47K OHM J
RB92	24872271	CHIP, METAL FILM, 1/16W 270 OHM J
RB93	24872271	CHIP, METAL FILM, 1/16W 270 OHM J
RB94	24872222	CHIP, METAL FILM, 1/16W 2.2K OHM J
RB95	24872222	CHIP, METAL FILM, 1/16W 2.2K OHM J
RB98	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RC01	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RC02	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RC03	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RC04	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RC05	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RC06	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RC07	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RC08	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RC09	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RC10	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RC11	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RC100	24366102	CARBON FILM, 1/6W 1K OHM J (44A9UH)
RC101	24366102	CARBON FILM, 1/6W 1K OHM J (44A9UH)
RC102	24366102	CARBON FILM, 1/6W 1K OHM J
RC103	24366102	CARBON FILM, 1/6W 1K OHM J
RE19	24872102	CHIP, METAL FILM, 1/16W 1K OHM J

Location No.	Parts No.	Description
RE20	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RG01	24872333	CHIP, METAL FILM, 1/16W 33K OHM J
RG02	24872333	CHIP, METAL FILM, 1/16W 33K OHM J
RG03	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RG04	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RG05	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RG07	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RG08	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RG09	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J
RG10	24872822	CHIP, METAL FILM, 1/16W 8.2K OHM J
RG11	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J
RG12	24872822	CHIP, METAL FILM, 1/16W 8.2K OHM J
RG13	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RG14	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RG15	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RG16	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RR01	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J (44A9UR)
RR02	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J (44A9UR)
RR03	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J (44A9UR)
RR24	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J (44A9UR)
RR25	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J (44A9UR)
RR26	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J (44A9UR)
RR33	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J (44A9UR)
RR34	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J (44A9UR)
RR35	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J (44A9UR)
RS01	24872562	CHIP, METAL FILM, 1/16W 5.6K OHM J
RS02	24872562	CHIP, METAL FILM, 1/16W 5.6K OHM J
RS03	24872562	CHIP, METAL FILM, 1/16W 5.6K OHM J
RS04	24872562	CHIP, METAL FILM, 1/16W 5.6K OHM J
RS05	24872562	CHIP, METAL FILM, 1/16W 5.6K OHM J
RS08	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RS09	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RS11	24872393	CHIP, METAL FILM, 1/16W 39K OHM J
RS12	24872563	CHIP, METAL FILM, 1/16W 56K OHM J
RS13	24872393	CHIP, METAL FILM, 1/16W 39K OHM J
RS14	24872563	CHIP, METAL FILM, 1/16W 56K OHM J
RS15	24872104	CHIP, METAL FILM, 1/16W 100K OHM J
RS16	24872104	CHIP, METAL FILM, 1/16W 100K OHM J
RS17	24872223	CHIP, METAL FILM, 1/16W 22K OHM J
RS18	24872223	CHIP, METAL FILM, 1/16W 22K OHM J
RS19	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RS20	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RS21	24872222	CHIP, METAL FILM, 1/16W 2.2K OHM J
RS22	24872222	CHIP, METAL FILM, 1/16W 2.2K OHM J
RS23	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RS24	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RS26	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RS27	24872473	CHIP, METAL FILM, 1/16W 47K OHM J
RS28	24872104	CHIP, METAL FILM, 1/16W 100K OHM J
RS31	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RS32	24872104	CHIP, METAL FILM, 1/16W 100K OHM J
RS35	24872104	CHIP, METAL FILM, 1/16W 100K OHM J
RS36	24872223	CHIP, METAL FILM, 1/16W 22K OHM J
RS37	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RS38	24872222	CHIP, METAL FILM, 1/16W 2.2K OHM J
RS39	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RS40	24872104	CHIP, METAL FILM, 1/16W 100K OHM J
RS41	24872223	CHIP, METAL FILM, 1/16W 22K OHM J

Location No.	Parts No.	Description
RS42	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RS43	24872222	CHIP, METAL FILM, 1/16W 2.2K OHM J
RS44	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RS45	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RS46	24872562	CHIP, METAL FILM, 1/16W 5.6K OHM J
RS60	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RS61	24872223	CHIP, METAL FILM, 1/16W 22K OHM J
RS62	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RS63	24872223	CHIP, METAL FILM, 1/16W 22K OHM J
RS64	24872104	CHIP, METAL FILM, 1/16W 100K OHM J
RS65	24872104	CHIP, METAL FILM, 1/16W 100K OHM J
RS66	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RS67	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RS68	24872563	CHIP, METAL FILM, 1/16W 56K OHM J
RS69	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RS70	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RS71	24552561	OXIDE METAL FILM, 1/2W 560 OHM J
RS72	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RS73	24872563	CHIP, METAL FILM, 1/16W 56K OHM J
RS74	24872153	CHIP, METAL FILM, 1/16W 15K OHM J
RS75	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RS77	24872562	CHIP, METAL FILM, 1/16W 5.6K OHM J
RS85	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RS86	24872473	CHIP, METAL FILM, 1/16W 47K OHM J
RS87	24872473	CHIP, METAL FILM, 1/16W 47K OHM J
RS88	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RS89	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RS90	24872473	CHIP, METAL FILM, 1/16W 47K OHM J
RS91	24872473	CHIP, METAL FILM, 1/16W 47K OHM J
RS92	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RS93	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RS94	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RS100	24366223	CARBON FILM, 1/6W 22K OHM J
RS101	24366223	CARBON FILM, 1/6W 22K OHM J
RT01	24872101	CHIP, METAL FILM, 1/16W 100 OHM J (44A9UR)
RT02	24872101	CHIP, METAL FILM, 1/16W 100 OHM J (44A9UR)
RT03	24872102	CHIP, METAL FILM, 1/16W 1K OHM J (44A9UR)
RT04	24872102	CHIP, METAL FILM, 1/16W 1K OHM J (44A9UR)
RT05	24872100	CHIP, METAL FILM, 1/16W 10 OHM J (44A9UR)
RT09	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J (44A9UR)
RT13	24872182	CHIP, METAL FILM, 1/16W 1.8K OHM J (44A9UR)
RT14	24872222	CHIP, METAL FILM, 1/16W 2.2K OHM J (44A9UR)
RT15	24872103	CHIP, METAL FILM, 1/16W 10K OHM J (44A9UR)
RT16	24872103	CHIP, METAL FILM, 1/16W 10K OHM J (44A9UR)
RT17	24872561	CHIP, METAL FILM, 1/16W 560 OHM J (44A9UR)
RT18	24872152	CHIP, METAL FILM, 1/16W 1.5K OHM J (44A9UR)
RT19	24872122	CHIP, METAL FILM, 1/16W 1.2K OHM J (44A9UR)
RT27	24000608	CHIP, 1/16W 24K OHM F (44A9UR)
RT28	24872101	CHIP, METAL FILM, 1/16W 100 OHM J (44A9UR)
RT30	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J (44A9UR)
RT31	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J (44A9UR)

Location No.	Parts No.	Description
RT37	24000824	JUMPER CHIP, 2125TYPE (44A9UR)
RT38	24872151	CHIP, METAL FILM, 1/16W 150 OHM J (44A9UR)
RT40	24872151	CHIP, METAL FILM, 1/16W 150 OHM J (44A9UR)
RT43	24872151	CHIP, METAL FILM, 1/16W 150 OHM J (44A9UR)
RV01	24872562	CHIP, METAL FILM, 1/16W 5.6K OHM J
RV02	24872221	CHIP, METAL FILM, 1/16W 220 OHM J
RV03	24872221	CHIP, METAL FILM, 1/16W 220 OHM J
RV04	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RV05	24000824	JUMPER CHIP, 2125TYPE
RV06	24000824	JUMPER CHIP, 2125TYPE
RV07	24000824	JUMPER CHIP, 2125TYPE
RV08	24000824	JUMPER CHIP, 2125TYPE
RV09	24000824	JUMPER CHIP, 2125TYPE
RV10	24000824	JUMPER CHIP, 2125TYPE
RV11	24000824	JUMPER CHIP, 2125TYPE
RV22	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RV25	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RV26	24872152	CHIP, METAL FILM, 1/16W 1.5K OHM J
RV30	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV31	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RV32	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV35	24000824	JUMPER CHIP, 2125TYPE
RV38	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV39	24000824	JUMPER CHIP, 2125TYPE
RV52	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV60	24872682	CHIP, METAL FILM, 1/16W 6.8K OHM J
RV61	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RV66	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV67	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV71	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV72	24552101	OXIDE METAL FILM, 1/2W 100 OHM J
RV73	24366151	CARBON FILM, 1/6W 150 OHM J
RV79	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RV81	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RV95	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RV98	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV100	24366750	CARBON FILM, 1/6W 75 OHM J
RV101	24366750	CARBON FILM, 1/6W 75 OHM J
RV102	24366750	CARBON FILM, 1/6W 75 OHM J
RV210	24000824	JUMPER CHIP, 2125TYPE
RV211	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J
RV212	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RV214	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RV216	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RV217	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RV218	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RV219	24872333	CHIP, METAL FILM, 1/16W 33K OHM J
RV220	24000824	JUMPER CHIP, 2125TYPE
RV221	24872222	CHIP, METAL FILM, 1/16W 2.2K OHM J
RV222	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RV223	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RV227	24872223	CHIP, METAL FILM, 1/16W 22K OHM J
RV264	24000824	JUMPER CHIP, 2125TYPE
RV265	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RX325	24019400	CHIP BLOCK, 1/16W 100 OHM J P-8
RX326	24019400	CHIP BLOCK, 1/16W 100 OHM J P-8
RX327	24019400	CHIP BLOCK, 1/16W 100 OHM J P-8
RX328	24019400	CHIP BLOCK, 1/16W 100 OHM J P-8
RX407	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RX408	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RX551	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RX552	24871681	CHIP, METAL FILM, 1/8W 680 OHM J
RX554	24011121	CHIP, METAL FILM, 1/20W 120 OHM J
RX555	24011471	CHIP, METAL FILM, 1/20W 470 OHM J

Location No.	Parts No.	Description
RX557	24871681	CHIP, METAL FILM, 1/8W 680 OHM J
RX561	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RX562	24871681	CHIP, METAL FILM, 1/8W 680 OHM J
RX564	24011121	CHIP, METAL FILM, 1/20W 120 OHM J
RX565	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
RX567	24871681	CHIP, METAL FILM, 1/8W 680 OHM J
RX571	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RX572	24871681	CHIP, METAL FILM, 1/8W 680 OHM J
RX574	24011121	CHIP, METAL FILM, 1/20W 120 OHM J
RX575	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
RX577	24871681	CHIP, METAL FILM, 1/8W 680 OHM J
RX601	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RX602	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RX603	24011334	CHIP, METAL FILM, 1/20W 330K OHM J
RX604	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RX605	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RX606	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
RX611	24019400	CHIP BLOCK, 1/16W 100 OHM J P-8
RX612	24019400	CHIP BLOCK, 1/16W 100 OHM J P-8
RX613	24019400	CHIP BLOCK, 1/16W 100 OHM J P-8
RX614	24019400	CHIP BLOCK, 1/16W 100 OHM J P-8
RX615	24019400	CHIP BLOCK, 1/16W 100 OHM J P-8
RX616	24019400	CHIP BLOCK, 1/16W 100 OHM J P-8
RX617	24019400	CHIP BLOCK, 1/16W 100 OHM J P-8
RX618	24019400	CHIP BLOCK, 1/16W 100 OHM J P-8
RX651	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RX654	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RX661	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RX664	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RX671	24011181	CHIP, METAL FILM, 1/20W 180 OHM J
RX672	24011220	CHIP, METAL FILM, 1/20W 22 OHM J
RX673	24011272	CHIP, METAL FILM, 1/20W 2.7K OHM J
RX674	24011122	CHIP, METAL FILM, 1/20W 1.2K OHM J
RX675	24011272	CHIP, METAL FILM, 1/20W 2.7K OHM J
RX676	24011181	CHIP, METAL FILM, 1/20W 180 OHM J
RX677	24011220	CHIP, METAL FILM, 1/20W 22 OHM J
RX678	24011272	CHIP, METAL FILM, 1/20W 2.7K OHM J
RX679	24011122	CHIP, METAL FILM, 1/20W 1.2K OHM J
RX680	24011272	CHIP, METAL FILM, 1/20W 2.7K OHM J
RX681	24011181	CHIP, METAL FILM, 1/20W 180 OHM J
RX682	24011220	CHIP, METAL FILM, 1/20W 22 OHM J
RX683	24011272	CHIP, METAL FILM, 1/20W 2.7K OHM J
RX684	24011122	CHIP, METAL FILM, 1/20W 1.2K OHM J
RX685	24011272	CHIP, METAL FILM, 1/20W 2.7K OHM J
RX691	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RX692	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
RY02	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RY03	24872153	CHIP, METAL FILM, 1/16W 15K OHM J
RY04	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RY05	24872683	CHIP, METAL FILM, 1/16W 68K OHM J
RY06	24872104	CHIP, METAL FILM, 1/16W 100K OHM J
RZ01	24872272	CHIP, METAL FILM, 1/16W 2.7K OHM J
RZ02	24872272	CHIP, METAL FILM, 1/16W 2.7K OHM J
RZ03	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RZ04	24872911	CHIP, METAL FILM, 1/16W 910 OHM J
RZ05	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RZ06	24872102	CHIP, METAL FILM, 1/16W 1K OHM J

COILS & TRANSFORMERS

L101	23248035	COIL, CHOKE, TLN3278D
L110	23238716	COIL, PEAKING, TRF4689AJ
L120	23238718	COIL, PEAKING, TRF4479AJ
L130	23238718	COIL, PEAKING, TRF4479AJ
L140	23238718	COIL, PEAKING, TRF4479AJ
L171	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS

Location No.	Parts No.	Description
L172	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS
L200	23289838	COIL, PEAKING, TRF44R7AT
L203	23289840	COIL, PEAKING, TRF4100AT
L291	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS
L400	23289846	COIL, PEAKING, TRF4101AT
L401	23280022	COIL, PEAKING, TRF4101AZ
L421	23238562	COIL, PEAKING, TRF4109AJ
L422	23238562	COIL, PEAKING, TRF4109AJ
L424	23238562	COIL, PEAKING, TRF4109AJ
L425	23238562	COIL, PEAKING, TRF4109AJ
L426	23238562	COIL, PEAKING, TRF4109AJ
L427	23238562	COIL, PEAKING, TRF4109AJ
L428	23238718	COIL, PEAKING, TRF4479AJ
L429	23238718	COIL, PEAKING, TRF4479AJ
L430	23238562	COIL, PEAKING, TRF4109AJ
L501	23289840	COIL, PEAKING, TRF4100AT
L503	23289844	COIL, PEAKING, TRF4470AT
L702	23103864	FILTER, TEM2103T
L703	23103864	FILTER, TEM2103T
L704	23103864	FILTER, TEM2103T
L705	23103864	FILTER, TEM2103T
L707	23103822	INDUCTOR, BEAD, TEM2117T
L710	23103822	INDUCTOR, BEAD, TEM2117T
L711	23103822	INDUCTOR, BEAD, TEM2117T
L712	23103822	INDUCTOR, BEAD, TEM2117T
L715	23103822	INDUCTOR, BEAD, TEM2117T
L716	23103822	INDUCTOR, BEAD, TEM2117T
L717	23103822	INDUCTOR, BEAD, TEM2117T
L718	23103822	INDUCTOR, BEAD, TEM2117T
L719	23103822	INDUCTOR, BEAD, TEM2117T
L722	23103822	INDUCTOR, BEAD, TEM2117T
L723	23103822	INDUCTOR, BEAD, TEM2117T
L724	23103822	INDUCTOR, BEAD, TEM2117T
L725	23103822	INDUCTOR, BEAD, TEM2117T
L726	23103822	INDUCTOR, BEAD, TEM2117T
L731	23103822	INDUCTOR, BEAD, TEM2117T
L732	23103822	INDUCTOR, BEAD, TEM2117T
L733	23103822	INDUCTOR, BEAD, TEM2117T
L735	23103822	INDUCTOR, BEAD, TEM2117T
L736	23103822	INDUCTOR, BEAD, TEM2117T
L737	23103822	INDUCTOR, BEAD, TEM2117T
L738	23103822	INDUCTOR, BEAD, TEM2117T
L739	23103822	INDUCTOR, BEAD, TEM2117T
L740	23103822	INDUCTOR, BEAD, TEM2117T
L741	23103822	INDUCTOR, BEAD, TEM2117T
L742	23103822	INDUCTOR, BEAD, TEM2117T
L743	23103822	INDUCTOR, BEAD, TEM2117T
L746	23103822	INDUCTOR, BEAD, TEM2117T
L747	23103822	INDUCTOR, BEAD, TEM2117T
L748	23103822	INDUCTOR, BEAD, TEM2117T
L749	23103822	INDUCTOR, BEAD, TEM2117T
L750	23103822	INDUCTOR, BEAD, TEM2117T
L751	23103822	INDUCTOR, BEAD, TEM2117T
L752	23103822	INDUCTOR, BEAD, TEM2117T
L753	23103822	INDUCTOR, BEAD, TEM2117T
L756	23103822	INDUCTOR, BEAD, TEM2117T
L757	23103822	INDUCTOR, BEAD, TEM2117T
L758	23103822	INDUCTOR, BEAD, TEM2117T
L801	23217561	TRANSFORMER, CHOKE 1.6A53MH TPW2043AZ (44A9UR)
L804	23103823	COIL, FILTER, TEM2027D
L805	23103823	COIL, FILTER, TEM2027D
L806	23103823	COIL, FILTER, TEM2027D
L807	23103823	COIL, FILTER, TEM2027D
L810	23103823	COIL, FILTER, TEM2027D

Location No.	Parts No.	Description
L820	23248087	COIL, CHOKE, TLN3312D
L830	23248157	COIL, CHOKE, TLN3433AD
L831	23248073	COIL, CHOKE, TLN3299D
L832	23248236	COIL, CHOKE, TLN3441AF
L833	23248073	COIL, CHOKE, TLN3299D
L834	23248157	COIL, CHOKE, TLN3433AD
L835	23248236	COIL, CHOKE, TLN3441AF
L836	23280022	COIL, PEAKING, TRF4101AZ
L838	23280022	COIL, PEAKING, TRF4101AZ
L839	23280022	COIL, PEAKING, TRF4101AZ
L840	23280022	COIL, PEAKING, TRF4101AZ
L841	23280022	COIL, PEAKING, TRF4101AZ
L861	23103880	COIL, CHOKE, TEM2011Y
L862	23103937	FILTER, EM2004
L885	23103880	COIL, CHOKE, TEM2011Y
L886	23103880	COIL, CHOKE, TEM2011Y
L887	23248087	COIL, CHOKE, TLN3312D
L888	23248087	COIL, CHOKE, TLN3312D
L891	23103880	COIL, CHOKE, TEM2011Y
L892	23103880	COIL, CHOKE, TEM2011Y
L893	23103880	COIL, CHOKE, TEM2011Y
L894	23103880	COIL, CHOKE, TEM2011Y
L895	23103880	COIL, CHOKE, TEM2011Y
L901	23238714	COIL, PEAKING, TRF4100AJ
L901	23289330	COIL, PEAKING, TRF4330AF
L902	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS
L902	23289330	COIL, PEAKING, TRF4330AF
L906	23289330	COIL, PEAKING, TRF4330AF
L908	23289220	COIL, PEAKING, TRF4220AF
L910	23245836	COIL, CHIP, TRF4330CB
L911	23103822	INDUCTOR, BEAD, TEM2117T
L912	23103822	INDUCTOR, BEAD, TEM2117T
L913	23103822	INDUCTOR, BEAD, TEM2117T
L914	23103822	INDUCTOR, BEAD, TEM2117T
L916	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS
L917	23103822	INDUCTOR, BEAD, TEM2117T
L917	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS
L918	23103822	INDUCTOR, BEAD, TEM2117T
L918	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS
L919	23103822	INDUCTOR, BEAD, TEM2117T
L919	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS
L920	23103822	INDUCTOR, BEAD, TEM2117T
L921	23103822	INDUCTOR, BEAD, TEM2117T
L922	23103822	INDUCTOR, BEAD, TEM2117T
L923	23103822	INDUCTOR, BEAD, TEM2117T
L923	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS
L924	23103822	INDUCTOR, BEAD, TEM2117T
L924	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS
L925	23103822	INDUCTOR, BEAD, TEM2117T
L925	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS
L926	23103822	INDUCTOR, BEAD, TEM2117T
L926	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS
L927	23103822	INDUCTOR, BEAD, TEM2117T
L927	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS
L928	23103822	INDUCTOR, BEAD, TEM2117T
L929	23103822	INDUCTOR, BEAD, TEM2117T
L929	23103887	INDUCTOR, CHIP BEAD, TEM2130AM

Location No.	Parts No.	Description
L930	23103822	INDUCTOR, BEAD, TEM2117T
L930	23103887	INDUCTOR, CHIP BEAD, TEM2130AM
L931	23103822	INDUCTOR, BEAD, TEM2117T
L931	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS
L932	23103822	INDUCTOR, BEAD, TEM2117T
L932	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS
L933	23103822	INDUCTOR, BEAD, TEM2117T
L933	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS
L934	23103822	INDUCTOR, BEAD, TEM2117T
L934	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS
L935	23103822	INDUCTOR, BEAD, TEM2117T
L935	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS
L936	23103822	INDUCTOR, BEAD, TEM2117T
L936	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS
L937	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS
L938	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS
L939	23103822	INDUCTOR, BEAD, TEM2117T
L940	23103822	INDUCTOR, BEAD, TEM2117T
L940	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS
L941	23103822	INDUCTOR, BEAD, TEM2117T
L941	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS
L942	23103822	INDUCTOR, BEAD, TEM2117T
L942	23103887	INDUCTOR, CHIP BEAD, TEM2130AM
L943	23103822	INDUCTOR, BEAD, TEM2117T
L943	23103887	INDUCTOR, CHIP BEAD, TEM2130AM
L944	23103822	INDUCTOR, BEAD, TEM2117T
L945	23289330	COIL, PEAKING, TRF4330AF
L946	23289330	COIL, PEAKING, TRF4330AF
L947	23289330	COIL, PEAKING, TRF4330AF
L948	23103822	INDUCTOR, BEAD, TEM2117T
L949	23103822	INDUCTOR, BEAD, TEM2117T
L950	23103822	INDUCTOR, BEAD, TEM2117T
L951	23103822	INDUCTOR, BEAD, TEM2117T
L951	23103887	INDUCTOR, CHIP BEAD, TEM2130AM
L952	23103887	INDUCTOR, CHIP BEAD, TEM2130AM
L954	23103822	INDUCTOR, BEAD, TEM2117T
L955	23103822	INDUCTOR, BEAD, TEM2117T
L956	23289330	COIL, PEAKING, TRF4330AF
L957	23245836	COIL, CHIP, TRF4330CB
L958	23289330	COIL, PEAKING, TRF4330AF
L959	23245836	COIL, CHIP, TRF4330CB
L960	23245836	COIL, CHIP, TRF4330CB
L961	23245836	COIL, CHIP, TRF4330CB
L962	23245836	COIL, CHIP, TRF4330CB
L963	23245836	COIL, CHIP, TRF4330CB
L964	23245836	COIL, CHIP, TRF4330CB
L965	23245836	COIL, CHIP, TRF4330CB
L966	23103822	INDUCTOR, BEAD, TEM2117T
L967	23103822	INDUCTOR, BEAD, TEM2117T
L968	23103822	INDUCTOR, BEAD, TEM2117T
L969	23103822	INDUCTOR, BEAD, TEM2117T
L975	24000824	JUMPER CHIP, 2125TYPE
L976	24000824	JUMPER CHIP, 2125TYPE
L977	24000824	JUMPER CHIP, 2125TYPE
L978	24000824	JUMPER CHIP, 2125TYPE
L979	24000824	JUMPER CHIP, 2125TYPE

Location No.	Parts No.	Description
L982	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS
L983	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS
L9601	23289330	COIL, PEAKING, TRF4330AF
L9631	23289330	COIL, PEAKING, TRF4330AF
L9661	23289330	COIL, PEAKING, TRF4330AF
LA01	23289100	COIL, PEAKING, TRF4100AF
LA100	23289100	COIL, PEAKING, TRF4100AF
LB01	23289100	COIL, PEAKING, TRF4100AF
LC05	23238562	COIL, PEAKING, TRF4109AJ
LC06	23103894	FILTER, FERRITE BEAD, TEM2011AW
LC100	23103880	COIL, CHOKE, TEM2011Y (44A9UR)
LC101	23103880	COIL, CHOKE, TEM2011Y (44A9UR)
LC102	23103880	COIL, CHOKE, TEM2011Y (44A9UR)
LC103	23103880	COIL, CHOKE, TEM2011Y (44A9UR)
LC104	23103880	COIL, CHOKE, TEM2011Y (44A9UR)
LC105	23103880	COIL, CHOKE, TEM2011Y (44A9UR)
LT01	23238506	COIL, PEAKING, TRF4229AJ (44A9UR)
LT02	23238506	COIL, PEAKING, TRF4229AJ (44A9UR)
LT03	23289229	COIL, PEAKING, TRF4229AF (44A9UR)
LT04	23289229	COIL, PEAKING, TRF4229AF (44A9UR)
LT05	23238506	COIL, PEAKING, TRF4229AJ (44A9UR)
LT07	23238506	COIL, PEAKING, TRF4229AJ (44A9UR)
LT08	23238506	COIL, PEAKING, TRF4229AJ (44A9UR)
LT09	23238506	COIL, PEAKING, TRF4229AJ (44A9UR)
LT10	23238506	COIL, PEAKING, TRF4229AJ (44A9UR)
LV01	23103852	COIL, FILTER, TEM2028AH
LV02	23103852	COIL, FILTER, TEM2028AH
LV03	23103852	COIL, FILTER, TEM2028AH
LV05	23103852	COIL, FILTER, TEM2028AH
LV06	23103852	COIL, FILTER, TEM2028AH
LV10	23289100	COIL, PEAKING, TRF4100AF
LX542	23238714	COIL, PEAKING, TRF4100AJ
LX551	23103823	COIL, FILTER, TEM2027D
LX552	23246195	COIL, CHIP INDUCTOR, TRF41R0CG
LX561	23103823	COIL, FILTER, TEM2027D
LX562	23246323	COIL, CHIP INDUCTOR, TRF44R7CT
LX571	23103823	COIL, FILTER, TEM2027D
LX572	23246323	COIL, CHIP INDUCTOR, TRF44R7CT
LX601	23103886	INDUCTOR, CHIP BEAD 3A 60OHM
LX604	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS
LX605	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS
LX607	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS
LX608	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS
LX609	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS
LX610	23103886	INDUCTOR, CHIP BEAD 3A 60OHM
LX612	23103906	FILTER, CHIP BEAD INDUCTOR, TEM2118AS
LX613	23103806	INDUCTOR, BEAD, TEM2114T
LX614	23103886	INDUCTOR, CHIP BEAD 3A 60OHM
LX615	23103886	INDUCTOR, CHIP BEAD 3A 60OHM
LX630	23103887	INDUCTOR, CHIP BEAD, TEM2130AM
LY01	23289229	COIL, PEAKING, TRF4229AF
LY02	23289842	COIL, PEAKING, TRF4220AT
LZ02	23289100	COIL, PEAKING, TRF4100AF
⚠ T801	23211712	COIL, LINE FILTER, TRF3209BQ (44A9UH)
⚠ T801	23211726	COIL, LINE FILTER, TRF3229AQ (44A9UR)
⚠ T802	23211705	COIL, LINE FILTER, TRF3197AK (44A9UH)
⚠ T802	23211726	COIL, LINE FILTER, TRF3229AQ (44A9UR)
⚠ T862	23217400	TRANSFORMER, CONVERTER TPW3402AS (44A9UH)

Location No.	Parts No.	Description
⚠ T862	23217400	TRANSFORMER, CONVERTER TPW3402AS (44A9UR)
SEMICONDUCTORS		
Q001	23009008	IC, TC90A85F
Q111	23314993	TRANSISTOR, 2SC4081 Q
Q112	23314993	TRANSISTOR, 2SC4081 Q
Q121	23314993	TRANSISTOR, 2SC4081 Q
Q122	23314993	TRANSISTOR, 2SC4081 Q
Q131	23314993	TRANSISTOR, 2SC4081 Q
Q132	23314993	TRANSISTOR, 2SC4081 Q
Q141	23314993	TRANSISTOR, 2SC4081 Q
Q142	23314993	TRANSISTOR, 2SC4081 Q
Q151	23000790	IC, BH7650FS
Q171	23318026	IC, TA78L05F
Q201	23314993	TRANSISTOR, 2SC4081 Q
Q202	23000282	IC, R1121Nx, 23000282L NI TOUITSU
Q205	23205054	TRANSISTOR, KTA1504Y
Q209	23205054	TRANSISTOR, KTA1504Y
Q210	23205057	TRANSISTOR, KTC3875Y
Q211	23205057	TRANSISTOR, KTC3875Y
Q212	23205057	TRANSISTOR, KTC3875Y
Q215	23205057	TRANSISTOR, KTC3875Y
Q230	23205057	TRANSISTOR, KTC3875Y
Q231	23205054	TRANSISTOR, KTA1504Y
Q232	23205054	TRANSISTOR, KTA1504Y
Q233	23205054	TRANSISTOR, KTA1504Y
Q234	23205054	TRANSISTOR, KTA1504Y
Q240	23000529	IC, SW 2IN 1OUT 3CIRCUIT 0 CLP MM1231XD
Q281	23905939	IC, TLC2933IPW
Q282	23906951	IC, SN74AHCT1G32DCK
Q283	23906951	IC, SN74AHCT1G32DCK
Q284	23906951	IC, SN74AHCT1G32DCK
Q285	23906951	IC, SN74AHCT1G32DCK
Q420	23000370	IC, TA1318N
Q422	70114402	TRANSISTOR, 2SC3437-Y
Q423	23205057	TRANSISTOR, KTC3875Y
Q431	23318026	IC, TA78L05F
Q432	23906770	IC, BA033FP
Q433	23000803	IC, UPC2925T
Q452	23906951	IC, SN74AHCT1G32DCK
Q453	23906951	IC, SN74AHCT1G32DCK
Q455	23905939	IC, TLC2933IPW
Q456	23906951	IC, SN74AHCT1G32DCK
Q457	23000095	IC, SN74AHC2G241HDCT
Q458	23906951	IC, SN74AHCT1G32DCK
Q460	23906951	IC, SN74AHCT1G32DCK
Q461	23906951	IC, SN74AHCT1G32DCK
Q480	70129666	IC, TC74HCT541AF
Q503	23205054	TRANSISTOR, KTA1504Y
Q504	23205054	TRANSISTOR, KTA1504Y
Q510	23906472	IC, TA1276AN
Q520	23205054	TRANSISTOR, KTA1504Y
Q521	23205054	TRANSISTOR, KTA1504Y
Q522	23205054	TRANSISTOR, KTA1504Y
Q524	23205057	TRANSISTOR, KTC3875Y
Q525	23205057	TRANSISTOR, KTC3875Y
Q526	23205057	TRANSISTOR, KTC3875Y
Q527	23114499	TRANSISTOR, RN1404
Q528	23205054	TRANSISTOR, KTA1504Y
Q529	23205054	TRANSISTOR, KTA1504Y
Q533	23205054	TRANSISTOR, KTA1504Y
Q534	23205054	TRANSISTOR, KTA1504Y
Q535	23205054	TRANSISTOR, KTA1504Y
Q551	23000965	IC, HY57V161610DTC-8
Q552	23000965	IC, HY57V161610DTC-8

Location No.	Parts No.	Description
Q570	23205057	TRANSISTOR, KTC3875Y
Q571	23205057	TRANSISTOR, KTC3875Y
Q572	23318916	IC, MC14053BCP
Q575	23319199	IC, MC7805CT
Q575B	70391355	SCREW, 3X8MM
Q601	23318413	IC, LA4282
Q612	23205054	TRANSISTOR, KTA1504Y
Q622	23205057	TRANSISTOR, KTC3875Y
Q681	23114623	TRANSISTOR, 2SC2878-A(TEM
Q682	23114623	TRANSISTOR, 2SC2878-A(TEM
Q683	23205054	TRANSISTOR, KTA1504Y
Q691	70129042	IC, TC7SHU04F
Q700	23905013	IC, TLC2932IPW
Q701	23906908	IC, MC33078D
Q702	23000173	IC, TC190G06AF-0109
Q703	70119743	IC, PST523D
Q704	B0485569	IC, TC74HC10AF
Q705	23319181	IC, TC74AC00F
Q706	23319276	IC, TC74AC74F
Q707	23319725	IC, TC74HC393AF
Q708	23000453	IC, TC74HC688AF
Q710	23318824	IC, TC7S08F
Q711	23904122	IC, TC7S86F
Q712	23319299	IC, TC74AC574F
Q741	23906951	IC, SN74AHCT1G32DCK
Q742	23906951	IC, SN74AHCT1G32DCK
Q743	23314993	TRANSISTOR, 2SC4081 Q
Q744	23314993	TRANSISTOR, 2SC4081 Q
Q750	23314993	TRANSISTOR, 2SC4081 Q
Q801	23906189	IC, STR-Z4202A
Q820	23135004	IC, STR83145A(LF501) (44A9UH)
Q820B	23037312	SCREW, BTBW3X12SZN (44A9UH)
Q820E	23030211	SCREW, 3X14SN (44A9UH)
Q822	23314965	TRANSISTOR, KTC3198 Y
Q823	23314962	TRANSISTOR, KTA1266 Y
Q830	23905058	IC, MC33166T
Q830B	70391355	SCREW, 3X8MM
Q831	23114461	TRANSISTOR, RN1203
Q832	23114460	TRANSISTOR, RN1204
Q833	23905058	IC, MC33166T
Q833B	70391355	SCREW, 3X8MM
Q834	23114461	TRANSISTOR, RN1203
Q835	23114460	TRANSISTOR, RN1204
Q836	23319320	IC, L780S15-FA
Q837	23114460	TRANSISTOR, RN1204
Q838	23114733	TRANSISTOR, 2SC2655-Y
Q840	23318299	IC, L78MR05-FA
Q840B	70391355	SCREW, 3X8MM
Q841	23314965	TRANSISTOR, KTC3198 Y
Q842	23114463	TRANSISTOR, RN1201
Q843	23314965	TRANSISTOR, KTC3198 Y
Q847	23314141	TRANSISTOR, 2SC3852
Q847B	70391355	SCREW, 3X8MM
Q848	23114467	TRANSISTOR, RN2203
Q849	23114460	TRANSISTOR, RN1204
Q851	23319203	IC, MC7812CT
Q853	23114695	TRANSISTOR, 2SA1012-Y
Q854	23906596	IC, BA4558
Q855	23314962	TRANSISTOR, KTA1266 Y
Q856	23114460	TRANSISTOR, RN1204
Q857	23114460	TRANSISTOR, RN1204
⚠ Q862	23904488	IC, PHOTO COUPLER, TLP621(GRL-LF
Q863	23319306	IC, SE012N
Q872	23314141	TRANSISTOR, 2SC3852
Q872B	70391355	SCREW, 3X8MM
Q901	23906482	IC, CXA1853AQ
Q902	23314163	TRANSISTOR, 2SA1162-Y

Location No.	Parts No.	Description
Q903	23314475	TRANSISTOR, 2SC2712-Y
Q904	23314163	TRANSISTOR, 2SA1162-Y
Q905	23314475	TRANSISTOR, 2SC2712-Y
Q906	23314163	TRANSISTOR, 2SA1162-Y
Q907	23314475	TRANSISTOR, 2SC2712-Y
Q908	23906661	IC, M62393FP
Q911	70129738	IC, PQ20VZ1U
Q912	23314475	TRANSISTOR, 2SC2712-Y
Q913	23314163	TRANSISTOR, 2SA1162-Y
Q914	23314475	TRANSISTOR, 2SC2712-Y
Q915	23318981	IC, MC14053BF
Q916	23314163	TRANSISTOR, 2SA1162-Y
Q920	23114501	TRANSISTOR, RN1402
Q921	23114501	TRANSISTOR, RN1402
Q922	23114501	TRANSISTOR, RN1402
Q923	23314475	TRANSISTOR, 2SC2712-Y
Q924	23314475	TRANSISTOR, 2SC2712-Y
Q925	23314475	TRANSISTOR, 2SC2712-Y
Q926	23314163	TRANSISTOR, 2SA1162-Y
Q927	23314475	TRANSISTOR, 2SC2712-Y
Q928	23314475	TRANSISTOR, 2SC2712-Y
Q929	23314475	TRANSISTOR, 2SC2712-Y
Q930	23314475	TRANSISTOR, 2SC2712-Y
Q931	23314475	TRANSISTOR, 2SC2712-Y
Q932	23314475	TRANSISTOR, 2SC2712-Y
Q933	23314475	TRANSISTOR, 2SC2712-Y
Q934	23314475	TRANSISTOR, 2SC2712-Y
Q935	23314475	TRANSISTOR, 2SC2712-Y
Q936	23314475	TRANSISTOR, 2SC2712-Y
Q937	23314475	TRANSISTOR, 2SC2712-Y
Q938	23314475	TRANSISTOR, 2SC2712-Y
Q939	23314475	TRANSISTOR, 2SC2712-Y
Q940	23314163	TRANSISTOR, 2SA1162-Y
Q941	23314163	TRANSISTOR, 2SA1162-Y
Q942	23905898	IC, CXA2504N
Q943	23905898	IC, CXA2504N
Q944	23905898	IC, CXA2504N
Q945	A6358621	TRANSISTOR, 2SC3265Y
Q948	A6546372	TRANSISTOR, 2SA1298-Y
Q951	23314475	TRANSISTOR, 2SC2712-Y
Q952	23314163	TRANSISTOR, 2SA1162-Y
Q980	23904521	IC, AN7805
Q980B	70391355	SCREW, 3X8MM
Q9701	23314163	TRANSISTOR, 2SA1162-Y
Q9702	23314475	TRANSISTOR, 2SC2712-Y
Q9703	23314475	TRANSISTOR, 2SC2712-Y
Q9704	23314475	TRANSISTOR, 2SC2712-Y
Q9705	23314163	TRANSISTOR, 2SA1162-Y
Q9706	23314475	TRANSISTOR, 2SC2712-Y
Q9707	23314475	TRANSISTOR, 2SC2712-Y
Q9708	23314163	TRANSISTOR, 2SA1162-Y
Q9709	23314475	TRANSISTOR, 2SC2712-Y
Q9710	23314163	TRANSISTOR, 2SA1162-Y
Q9711	23314475	TRANSISTOR, 2SC2712-Y
Q9712	23314475	TRANSISTOR, 2SC2712-Y
Q9713	70200009	IC, AD813AR-14
Q9714	23318981	IC, MC14053BF
Q9715	23314475	TRANSISTOR, 2SC2712-Y
Q9719	23314163	TRANSISTOR, 2SA1162-Y
Q9720	23314475	TRANSISTOR, 2SC2712-Y
Q9728	23314163	TRANSISTOR, 2SA1162-Y
Q9729	23314475	TRANSISTOR, 2SC2712-Y
Q9730	23314163	TRANSISTOR, 2SA1162-Y
Q9731	23314475	TRANSISTOR, 2SC2712-Y
Q9801	A6358621	TRANSISTOR, 2SC3265Y
Q9802	A6546372	TRANSISTOR, 2SA1298-Y
Q9803	A6358621	TRANSISTOR, 2SC3265Y

Location No.	Parts No.	Description
Q9804	A6546372	TRANSISTOR, 2SA1298-Y
Q9805	A6358621	TRANSISTOR, 2SC3265Y
Q9806	A6546372	TRANSISTOR, 2SA1298-Y
Q9807	A6358621	TRANSISTOR, 2SC3265Y
Q9808	A6546372	TRANSISTOR, 2SA1298-Y
Q9809	A6358621	TRANSISTOR, 2SC3265Y
Q9810	A6546372	TRANSISTOR, 2SA1298-Y
Q9811	A6358621	TRANSISTOR, 2SC3265Y
Q9812	A6546372	TRANSISTOR, 2SA1298-Y
Q9813	A6358621	TRANSISTOR, 2SC3265Y
Q9814	A6546372	TRANSISTOR, 2SA1298-Y
Q9815	A6358621	TRANSISTOR, 2SC3265Y
Q9816	A6546372	TRANSISTOR, 2SA1298-Y
Q9817	A6358621	TRANSISTOR, 2SC3265Y
Q9818	A6546372	TRANSISTOR, 2SA1298-Y
Q9819	A6358621	TRANSISTOR, 2SC3265Y
Q9820	A6546372	TRANSISTOR, 2SA1298-Y
Q9821	A6358621	TRANSISTOR, 2SC3265Y
Q9822	A6546372	TRANSISTOR, 2SA1298-Y
Q9823	A6358621	TRANSISTOR, 2SC3265Y
Q9824	A6546372	TRANSISTOR, 2SA1298-Y
Q9825	A6358621	TRANSISTOR, 2SC3265Y
Q9826	A6546372	TRANSISTOR, 2SA1298-Y
Q9827	A6358621	TRANSISTOR, 2SC3265Y
Q9828	A6546372	TRANSISTOR, 2SA1298-Y
Q9829	A6358621	TRANSISTOR, 2SC3265Y
Q9830	A6546372	TRANSISTOR, 2SA1298-Y
Q9831	A6358621	TRANSISTOR, 2SC3265Y
Q9832	A6546372	TRANSISTOR, 2SA1298-Y
Q9833	A6358621	TRANSISTOR, 2SC3265Y
Q9834	A6546372	TRANSISTOR, 2SA1298-Y
Q9835	A6358621	TRANSISTOR, 2SC3265Y
Q9836	A6546372	TRANSISTOR, 2SA1298-Y
Q9837	A6358621	TRANSISTOR, 2SC3265Y
Q9838	A6546372	TRANSISTOR, 2SA1298-Y
Q9839	A6358621	TRANSISTOR, 2SC3265Y
Q9840	A6546372	TRANSISTOR, 2SA1298-Y
Q9841	A6358621	TRANSISTOR, 2SC3265Y
Q9842	A6546372	TRANSISTOR, 2SA1298-Y
Q9843	A6358621	TRANSISTOR, 2SC3265Y
Q9844	A6546372	TRANSISTOR, 2SA1298-Y
Q9845	A6358621	TRANSISTOR, 2SC3265Y
Q9846	A6546372	TRANSISTOR, 2SA1298-Y
Q9847	A6358621	TRANSISTOR, 2SC3265Y
Q9848	A6546372	TRANSISTOR, 2SA1298-Y
Q9849	A6358621	TRANSISTOR, 2SC3265Y
Q9850	A6546372	TRANSISTOR, 2SA1298-Y
Q9851	A6358621	TRANSISTOR, 2SC3265Y
Q9852	A6546372	TRANSISTOR, 2SA1298-Y
Q9853	A6358621	TRANSISTOR, 2SC3265Y
Q9854	A6546372	TRANSISTOR, 2SA1298-Y
Q9855	A6358621	TRANSISTOR, 2SC3265Y
Q9856	A6546372	TRANSISTOR, 2SA1298-Y
Q9857	A6358621	TRANSISTOR, 2SC3265Y
Q9858	A6546372	TRANSISTOR, 2SA1298-Y
Q9859	A6358621	TRANSISTOR, 2SC3265Y
Q9860	A6546372	TRANSISTOR, 2SA1298-Y
Q9861	A6358621	TRANSISTOR, 2SC3265Y
Q9862	A6546372	TRANSISTOR, 2SA1298-Y
Q9863	A6358621	TRANSISTOR, 2SC3265Y
Q9864	A6546372	TRANSISTOR, 2SA1298-Y
Q9865	A6358621	TRANSISTOR, 2SC3265Y
Q9866	A6546372	TRANSISTOR, 2SA1298-Y
Q9867	A6358621	TRANSISTOR, 2SC3265Y
Q9868	A6546372	TRANSISTOR, 2SA1298-Y
Q9869	A6358621	TRANSISTOR, 2SC3265Y
Q9870	A6546372	TRANSISTOR, 2SA1298-Y

Location No.	Parts No.	Description
Q9871	A6358621	TRANSISTOR, 2SC3265Y
Q9872	A6546372	TRANSISTOR, 2SA1298-Y
Q9873	23314163	TRANSISTOR, 2SA1162-Y
Q9874	23314475	TRANSISTOR, 2SC2712-Y
QA01	23009103	IC, TMP88P38N-3, OTP(WRITING)
QA02	23906812	IC, S-24C16ADPA-01
QA06	23114498	TRANSISTOR, RN1405
QA07	23205057	TRANSISTOR, KTC3875Y
QA109	23114528	TRANSISTOR, 2SC1740S
QA110	23114528	TRANSISTOR, 2SC1740S
QA111	23114528	TRANSISTOR, 2SC1740S
QA112	23114528	TRANSISTOR, 2SC1740S
QB01	23009104	IC, TMP87PS38N18(OTP WRITING)
QB02	23906812	IC, S-24C16ADPA-01
QB03	23205054	TRANSISTOR, KTA1504Y
QB04	70114396	TRANSISTOR, 2SC3326B
QB05	70114396	TRANSISTOR, 2SC3326B
QB81	70114396	TRANSISTOR, 2SC3326B
QB82	70114396	TRANSISTOR, 2SC3326B
QB83	23205054	TRANSISTOR, KTA1504Y
QB92	23205057	TRANSISTOR, KTC3875Y
QB93	23205054	TRANSISTOR, KTA1504Y
QB94	23205054	TRANSISTOR, KTA1504Y
QB95	23205054	TRANSISTOR, KTA1504Y
QB96	23205054	TRANSISTOR, KTA1504Y
QG01	23904935	IC, TA1217AN
QG02	23205057	TRANSISTOR, KTC3875Y
QG03	23205057	TRANSISTOR, KTC3875Y
QK01	23301378	DISPLAY, LCD, TFD27W10K
QR04	23205054	TRANSISTOR, KTA1504Y (44A9UR)
QR05	23205054	TRANSISTOR, KTA1504Y (44A9UR)
QR06	23205054	TRANSISTOR, KTA1504Y (44A9UR)
QS01	70114396	TRANSISTOR, 2SC3326B
QS02	70114396	TRANSISTOR, 2SC3326B
QS03	23205057	TRANSISTOR, KTC3875Y
QS04	23205057	TRANSISTOR, KTC3875Y
QS07	23114493	TRANSISTOR, RN2404
QS08	70114396	TRANSISTOR, 2SC3326B
QS09	23205057	TRANSISTOR, KTC3875Y
QS10	70114396	TRANSISTOR, 2SC3326B
QS11	23205057	TRANSISTOR, KTC3875Y
QS12	23114493	TRANSISTOR, RN2404
QS13	23205057	TRANSISTOR, KTC3875Y
QS14	70119726	IC, MC14052BCP
QS60	70114396	TRANSISTOR, 2SC3326B
QS61	23114493	TRANSISTOR, RN2404
QS62	23906596	IC, BA4558
QT01	23000470	IC, TELETEXT DECODER SAA5264PS/M3C (44A9UR)
QT02	23205057	TRANSISTOR, KTC3875Y (44A9UR)
QT03	70114402	TRANSISTOR, 2SC3437-Y (44A9UR)
QT04	23205054	TRANSISTOR, KTA1504Y (44A9UR)
QT07	23906809	IC, S-24C02ADPA-11 (44A9UR)
QT08	23000283	IC, 23000283L NI TOUITSU R1121Nx (44A9UR)
QV01	23000369	IC, MM1495XD
QV06	23205054	TRANSISTOR, KTA1504Y
QV07	23114500	TRANSISTOR, RN1403
QV09	23205057	TRANSISTOR, KTC3875Y
QV11	23114500	TRANSISTOR, RN1403
QV13	23114433	TRANSISTOR, 2SC1815-Y
QV29	23205057	TRANSISTOR, KTC3875Y
QV30	23205057	TRANSISTOR, KTC3875Y
QV31	23205057	TRANSISTOR, KTC3875Y
QX551	23205112	TRANSISTOR, 2SA1980UF-Y(
QX552	23205112	TRANSISTOR, 2SA1980UF-Y(
QX561	23205112	TRANSISTOR, 2SA1980UF-Y(

Location No.	Parts No.	Description
QX562	23205112	TRANSISTOR, 2SA1980UF-Y(
QX571	23205112	TRANSISTOR, 2SA1980UF-Y(
QX572	23205112	TRANSISTOR, 2SA1980UF-Y(
QX600	23000789	IC, MB87J8020
QX610	23000965	IC, HY57V161610DTC-8
QX620	23906770	IC, BA033FP
QX630	23000803	IC, UPC2925T
QX670	23000283	IC, 23000283L NI TOUITSU R1121Nx
QY10	23205054	TRANSISTOR, KTA1504Y
QZ01	23205054	TRANSISTOR, KTA1504Y
QZ02	23205054	TRANSISTOR, KTA1504Y
D101	23118606	DIODE, ZENER, RD33ESA B4
D503	23118041	DIODE, MA111
D504	23118041	DIODE, MA111
D505	23118041	DIODE, MA111
D601	23118041	DIODE, MA111
D602	23118041	DIODE, MA111
D603	23118041	DIODE, MA111
D604	23118041	DIODE, MA111
D607	23118041	DIODE, MA111
D611	23118041	DIODE, MA111
D612	23118041	DIODE, MA111
D613	23118041	DIODE, MA111
D614	23118041	DIODE, MA111
D615	23118041	DIODE, MA111
D699	23118859	DIODE, 1SS133 (44A9UR)
D801	23316275	DIODE, RBV606
D801B	70391355	SCREW, 3X8MM
D820	23115999	DIODE, 1S1832 (44A9UH)
D823	23316679	DIODE, ZENER, MTZJ6.8C
D824	23316665	DIODE, ZENER, MTZJ4.7A
D830	23357020	DIODE, SF5S4
D830B	70391355	SCREW, 3X8MM
D831	23357020	DIODE, SF5S4
D831B	70391355	SCREW, 3X8MM
D833	23316716	DIODE, ZENER, MTZJ11B
D836	23316668	DIODE, ZENER, MTZJ5.1A
D837	23118634	DIODE, ZENER, RD3.0ES B1
D838	23316472	DIODE, RGP10J
D839	23118506	DI0DE, RD15ES B1
D840	23316664	DIODE, ZENER, MTZJ4.3C
D841	23316678	DIODE, ZENER, MTZJ6.8B
D852	23316718	DIODE, ZENER, MTZJ12A
D853	23316678	DIODE, ZENER, MTZJ6.8B
D862	23316472	DIODE, RGP10J
D864	23316813	DIODE, EG1
D870	23118859	DIODE, 1SS133
D871	23118499	DIODE, ZENER, RD18ESA B2
D872	23316666	DIODE, ZENER, MTZJ4.7B
D873	23316690	DIODE, ZENER, MTZJ10B
D875	23316719	DIODE, ZENER, MTZJ12B
D876	23316747	DIODE, ZENER, MTZJ27C
D878	23316747	DIODE, ZENER, MTZJ27C
D881	23118859	DIODE, 1SS133
D882	23316674	DIODE, ZENER, MTZJ6.2A
D885	23357042	DIODE, FMX-12S(023-108)
D891	23316184	DIODE, FML-G12S
D891B	70391355	SCREW, 3X8MM
D892	23316184	DIODE, FML-G12S
D892B	70391355	SCREW, 3X8MM
D893	23316813	DIODE, EG1
D894	23316813	DIODE, EG1
D895	23316813	DIODE, EG1
D899	24000656	VARISTOR, TNR15G471K
D901	23118131	DIODE,1SS193
D911	23118131	DIODE,1SS193
D912	23118131	DIODE,1SS193

Location No.	Parts No.	Description
D913	23118131	DIODE,1SS193
D930	23118131	DIODE,1SS193
D931	23118131	DIODE,1SS193
D3380	23118041	DIODE, MA111
D3381	23118041	DIODE, MA111
D3382	23118041	DIODE, MA111
D3383	23118041	DIODE, MA111
DA20	23118859	DIODE, 1SS133 (44A9UR)
DA91	23358564	LED, LAMP RED SLR-56VC3FPQ
DA92	23358563	LED, LAMP GREEN SLR-56MC3FPQR
DA93	23358563	LED, LAMP GREEN SLR-56MC3FPQR
DA94	23358563	LED, LAMP GREEN SLR-56MC3FPQR
DA98	23118859	DIODE, 1SS133
DA99	23118528	DIODE, ZENER, RD5.6ESA B3
DS60	23118268	DIODE, ZENER, RD22MB3
DS61	23118041	DIODE, MA111
DS62	23118041	DIODE, MA111
DV01	23118296	DIODE, ZENER, RD9.1MB2
MISCELLANEOUS		
B113	23721308	SCREW, PP3X8+SW+2W SZN
B114	23721308	SCREW, PP3X8+SW+2W SZN
B127	23845856	WIRE CLAMP, POF COAT) L=70MM
B204	23711305	SCREW, 3X4.5MM
B220	23037312	SCREW, BTBW3X12SZN
B221	23030937	SCREW, 3X12
B225	23035312	SCREW, BTB3X12SZN
B226	23037312	SCREW, BTBW3X12SZN (44A9UR)
B255	23974994	BAND, KESSOKU
B263	23845856	WIRE CLAMP, POF COAT) L=70MM
B276	23974994	BAND, KESSOKU (44A9UH)
B280	23050927	WASHER (44A9UR)
B391	23037310	SCREW, 3X10MM, TQPPING
BB05A	23902751	CONNECTOR, 8P, 2.5MM
BB05B	23368519	CONNECTOR, 8P, 2.5MM
BB06A	23713014	CONNECTOR, BRIDGE PLUG 16P 1.5
BB06B	23713013	BASE SOCKET 16P 1.5
E998S	23588623	SERVICE PART, LCD BLOCK, TFD27W10K
E999S	23588624	LAMP MODULE, 44D9UXM, SSHR100-44, K005708
E999Z	23005708	LAMP BLOCK, 38D9UX
⚠ F801	23144520	FUSE, CARTRIDGE 5.2X20 250V 4.0A
F801A	23165433	FUSE HOLDER, 5.2 SOC
G101	23238506	COIL, PEAKING, TRF4229AJ
G102	23238506	COIL, PEAKING, TRF4229AJ
G103	23238714	COIL, PEAKING, TRF4100AJ
G104	23238714	COIL, PEAKING, TRF4100AJ
G106	23289834	COIL, PEAKING, TRF41R0AT
G213	24000824	JUMPER CHIP, 2125TYPE
G510	23289838	COIL, PEAKING, TRF44R7AT
G821	23115999	DIODE, 1S1832 (44A9UH)
GA02	24872470	CHIP, METAL FILM, 1/16W 47 OHM J
GA03	24000824	JUMPER CHIP, 2125TYPE
GA04	24000824	JUMPER CHIP, 2125TYPE
GA05	24000824	JUMPER CHIP, 2125TYPE
GA14	23238562	COIL, PEAKING, TRF4109AJ
GB02	24872470	CHIP, METAL FILM, 1/16W 47 OHM J
GB06	24000824	JUMPER CHIP, 2125TYPE
GJ04	24000824	JUMPER CHIP, 2125TYPE
GJ11	24000824	JUMPER CHIP, 2125TYPE (44A9UR)
GJ21	24000824	JUMPER CHIP, 2125TYPE
GJ25	24000824	JUMPER CHIP, 2125TYPE
GJ26	24000824	JUMPER CHIP, 2125TYPE
GJ002	24000445	CHIP JUMPER, 1608TYPE
GJ601	24000824	JUMPER CHIP, 2125TYPE
GY01	23238562	COIL, PEAKING, TRF4109AJ
GY02	23238562	COIL, PEAKING, TRF4109AJ

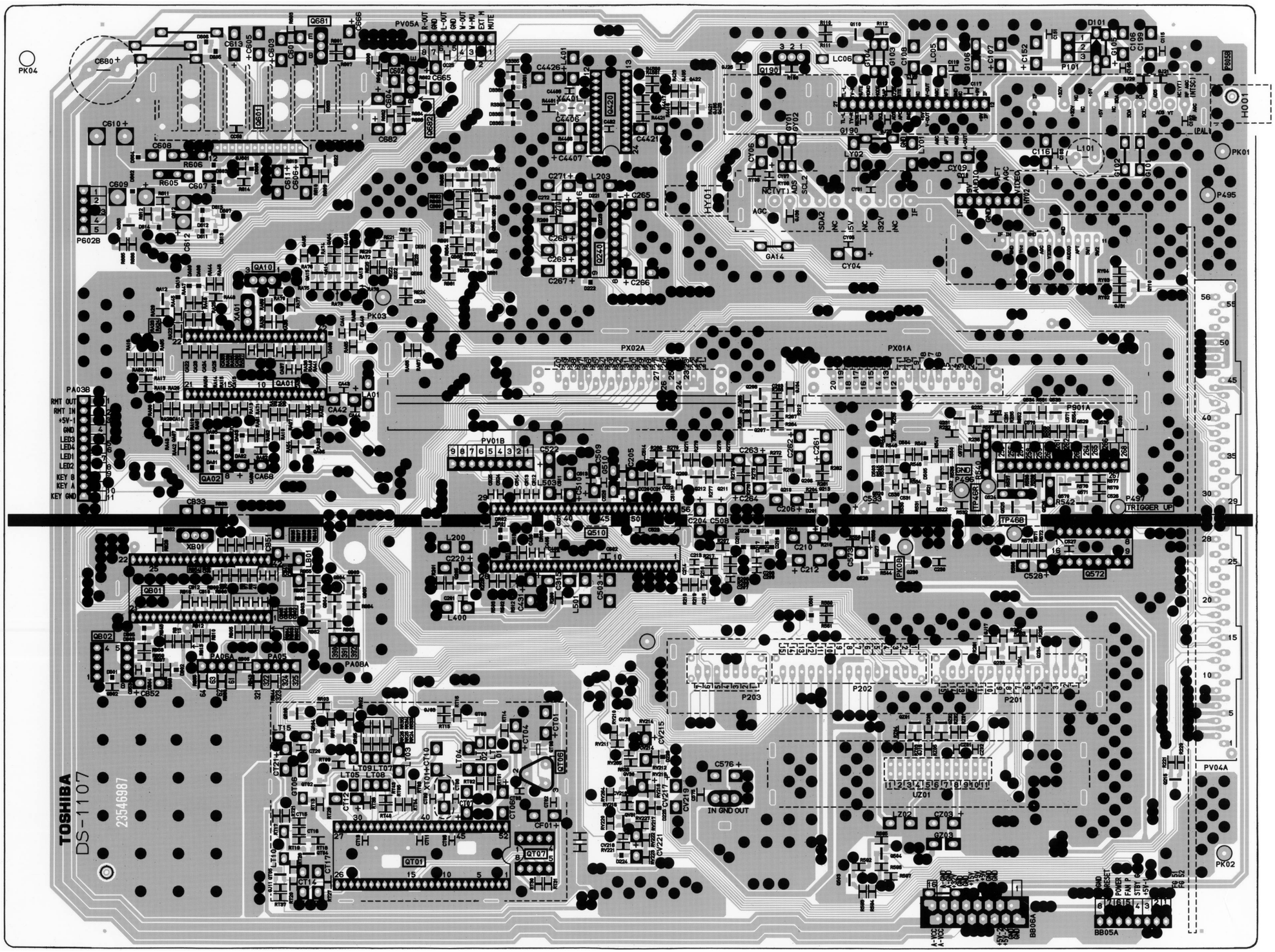
Location No.	Parts No.	Description
GZ03	23289150	COIL, PEAKING, TRF4150AF
HY02	23148363	MODULE, IF, MVCM13A, CHINA EMC
K901	23125886	MOTOR, DCFUN 12V 12CM T25.5 DCFUN12CM12V
K902	23125887	MOTOR, DCFUN 12V 9CM T25.5 DCFUN09CM12V
KB01	23905601	IC, SIU-11000, REMOCON PHOTO IC & IED ASSY
KK01	23430864	LENS, PJ-TB17D
P201	23902655	CONNECTOR, 15P
P202	23902655	CONNECTOR, 15P
P203	23902852	SOCKET, B-B, 7P
P661	23365444	JACK, EARPHONE, D3.5 HOSIDEN
P800	23368249	POWER CORD, 2P 11.88MM VH-JST
⚠ P801	23372023	POWER CORD, UK (44A9UH)
⚠ P801	23372052	POWER CORD, 250V2.5A (44A9UR)
P806A	23368249	POWER CORD, 2P 11.88MM VH-JST
P806B	23368249	POWER CORD, 2P 11.88MM VH-JST
P809A	23368249	POWER CORD, 2P 11.88MM VH-JST
P809B	23368249	POWER CORD, 2P 11.88MM VH-JST
P815	23368249	POWER CORD, 2P 11.88MM VH-JST (44A9UR)
P816	23368249	POWER CORD, 2P 11.88MM VH-JST (44A9UR)
P901	23903060	SOCKET, FFC/FPC 50P ELCO
PA05B	23164563	PLUG, 3PIN MINICONNECTOR
PV01	23365837	JACK, 1S6P
PV02	23365966	JACK, 1S6P
PV03	23365972	PIN JACK, 6P HOSIDEN
PV04A	23903040	SOCKET, B-B 2MM 56P TAIKO
PV04B	23368646	PLUG, B-B 2MM 56P TAIKO
PV11	23368117	CONNECTOR, (D-SUB SOCKET 15P) KRD-8622
PX01	23368520	CONNECTOR, 20P, 2MM
PX01A	23902863	SOCKET, B-B, 20P 2MM SMK
PX02	23368520	CONNECTOR, 20P, 2MM
PX02A	23902863	SOCKET, B-B, 20P 2MM SMK
⚠ S801	23344423	SWITCH, POWER 2C1P TV8 SDDF
S810	70145484	SWITCH, SPVF11
SA103	23145227	SWITCH, PUSH, 1C1P
SA104	23145227	SWITCH, PUSH, 1C1P
SA105	23145227	SWITCH, PUSH, 1C1P
SA106	23145227	SWITCH, PUSH, 1C1P
SA107	23145227	SWITCH, PUSH, 1C1P
SA108	23145227	SWITCH, PUSH, 1C1P
SA109	23145227	SWITCH, PUSH, 1C1P
⚠ SR82	23146564	RELAY, DC12V, TV5, DG-3
SS60	23145411	SWITCH, SLIDE SW 2C2P 30V 01A
UB01	23122393	P0WER UNIT, BALLAST, LOC-INHB0292FK, 100W
UM01	23148015	MODULE, VIDEO CHROMA PIP, MVPC04
UZ01	23148747	MODULE, MYCJ32, 3D-YCS COMB
W661	23351125	SPEAKER, SPK1386, 120X120 8-OHM 15W
W662	23351125	SPEAKER, SPK1386, 120X120 8-OHM 15W
X4401	23153721	CERAMIC RESONATOR, 503KHZ
XA01	23153497	CERAMIC RESONATER, TCR1080AM
XA701	23153361	CRYSTAL RESONATOR
XB01	23153502	CERAMIC RESONATOR, 8.00MHZ
XT01	23153930	CRYSTAL, 12.000 25PPM 40OHM 7PF (44A9UR)
Z401	23303181	EMI FILTER, TEM1012N
Z402	23303181	EMI FILTER, TEM1012N
Z700	23103823	COIL, FILTER, TEM2027D
Z701	23103823	COIL, FILTER, TEM2027D
Z702	23103823	COIL, FILTER, TEM2027D
Z860	23144540	PROTECTOR, 491SERIES, 125V 2.5A
Z889	23144542	PROTECTOR, 491SERIES, 125V 4A

Location No.	Parts No.	Description
Z890	23144543	PROTECTOR, 491SERIES, 125V 5A
Z891	23144536	PROTECTOR, 491SERIES, 125V 1A
Z892	23144537	PROTECTOR, 491SERIES, 125V 1.25A
PC BOARD ASSEMBLIES		
* U810	75000186	POWER BOARD, PB9693F-1 (44A9UH)
* U810	75000140	POWER BOARD, PB9693E-1 (44A9UR)
* U820	75000187	POWER-S BOARD, PB9693F-2 (44A9UH)
* U820	75000141	POWER-SW BOARD, PB9693E-2 (44A9UR)
* U830	75000142	REACTOL BOARD, PB9693E-3 (44A9UR)
* U901	75000144	SIGNAL BOARD, PD0593 (44A9UH)
* U901	75000203	SIGNAL BOARD, PD0593B (44A9UR)
* U902	75000139	BACK AV BOARD, PB9691C (44A9UH)
* U902	75000139	BACK AV BOARD, PB9691C (44A9UR)
* U903	75000135	UPC BOARD, PD0552 (44A9UH)
* U903	75000135	UPC BOARD, PD0552 (44A9UR)
* U904	75000143	RGB BOARD, PB9861A (44A9UH)
* U904	75000143	RGB BOARD, PB9861A (44A9UR)
* U991	75000183	F CONT-1 BOARD, PB8380B-1 (44A9UH)
* U991	75000136	F CONT-1 BOARD, PB8380C-1 (44A9UR)
* U992	75000184	F CONT-2 BOARD, PB8380B-2 (44A9UH)
* U992	75000137	F CONT-2 BOARD, PB8380C-2 (44A9UR)
* U993	75000185	F CONT-3 BOARD, PB8380B-3 (44A9UH)
* U993	75000138	F CONT-3 BOARD, PB8380C-3 (44A9UR)
TUNER		
H001	23321425	TUNER, EC954W1
HY01	23321384	TUNER, ECA321LX2, ASIA MLT IICPLL P-J, ALPS
ACCESSORIES		
K902	23306375	REMOCON HAND UNIT IR, CTVROC CT-90045 (44A9UH)
K902	23306374	REMOCON HAND UNIT IR, CTVROC CT-90044 (44A9UR)
Y101E	23565021	OWNER'S MANUAL, ENG, 44A9UH
Y101E	23565644	OWNER'S MANUAL, ENG/RUS, 44A9UR
Y101F	23565023	OWNER'S MANUAL, CANTON, 44D9UXH
Y120	23945015	BAG, POLYETHYLENE COVER 250X400
CABINET PARTS		
A102	23540373	FRONT TRIM (44A9UH)
A103	23527155	GRILLE, SPEAKER GRILLE KAN (44A9UH)
A103	23527218	GRILLE, SPEAKER GRILLE KAN (44A9UR)
A105	23427869	DOOR, LAMP (44A9UH)
A105	23427916	DOOR, LAMP DOOR (44A9UR)
A108	23448512	DUST COVER, 40HW8P
A110	23035010	SCREW, PBI 4X16
A111	23035010	SCREW, PBI 4X16
A112	23035010	SCREW, PBI 4X16
A116	23035004	SCREW, PBI4X12
A117	23721308	SCREW, PP3X8+SW+2W SZN
A118	23035010	SCREW, PBI 4X16
A155	23445191	BUTTON, 6-KEY, 40Z1P (44A9UH)
A157	23427915	DOOR (44A9UH)
A158	23445218	KNOB, POWER, C985021E (44A9UH)
A201	23540241	FRONT COVER (44A9UH)
A201	23450499	PANEL, FRONT PANEL KAN (44A9UR)
A207	23035010	SCREW, PBI 4X16
A208	23466672	SPACER, 61PJ5UH
A258	23430855	OPTICAL PARTS(MECHA), AIRFIL44 AIR-FIL44
A271	23430801	OPTICAL ENGINE, OPT.ENGINE44
A276	23550282	LABEL, LABEL LAMP COVER 44G9UXE;C985303E
A301	23540246	COVER, MIRROR (44A9UH)
A301	23530237	COVER, MIRROR COVER KAN (44A9UR)

Location No.	Parts No.	Description
A310	23035010	SCREW, PBI 4X16
⚠ A401	23540374	COVER, REAR COVER (44A9UH)
⚠ A401	23530324	COVER, REAR COVER (44A9UR)
A419	23950113	LABEL, SERIAL NUMBER
A420	23845511	BAND
A501	23035010	SCREW, PBI 4X16
A502	23035412	SCREW, BTB4X12SZN
A504	23037312	SCREW, BTBW3X12SZN
A505	23035010	SCREW, PBI 4X16
A506	23035010	SCREW, PBI 4X16
A510	23035010	SCREW, PBI 4X16
A511	23035010	SCREW, PBI 4X16
A512	23035010	SCREW, PBI 4X16
A701	23064403	CARTON BOX, TOP (44A9UH)
A701	23064857	CARTON, CASE TOP (44A9UR)
A702	23935804	PACKING, 44G9 ;A980013
A703	23541047	SHEET, PROTECTIVE, 40DV6MD
A705	23943008	POLYETHYLENE BAG
A706	23845450	JOINT
A710	23525692	PACKING, BOTTOM, 44G9UXE
KK20	23430544	MIRROR, 44
KK52	23430614	SCREEN, LENTI-44T
KK53	23311844	SCREEN, FRESNEL-44T2, 44D9UXM

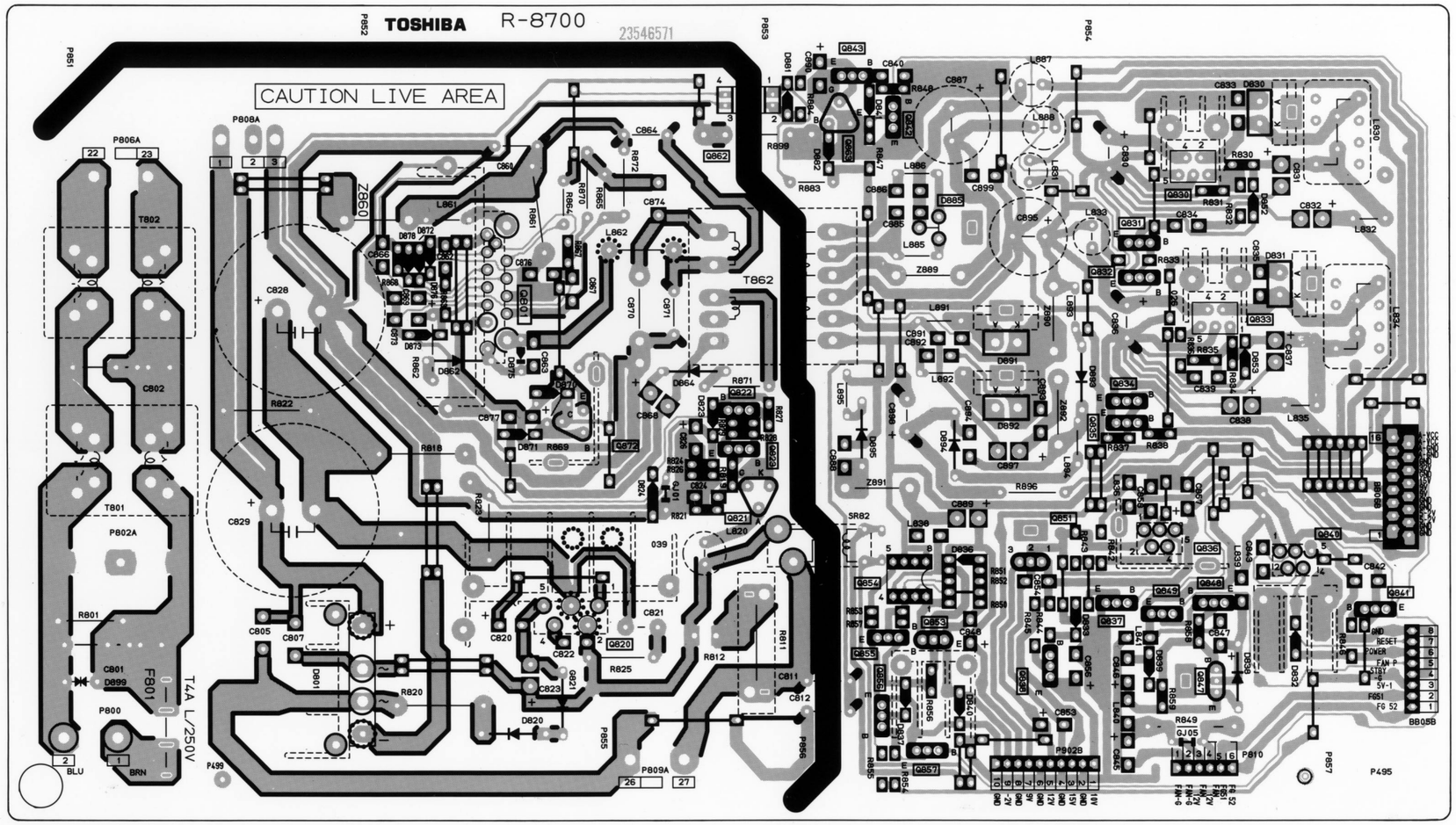
SIGNAL BOARD PD0593

BOTTOM (FOIL) SIDE



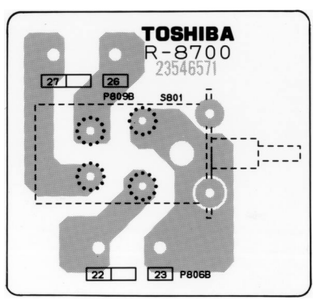
POWER BOARD PB9693E-1

BOTTOM (FOIL) SIDE



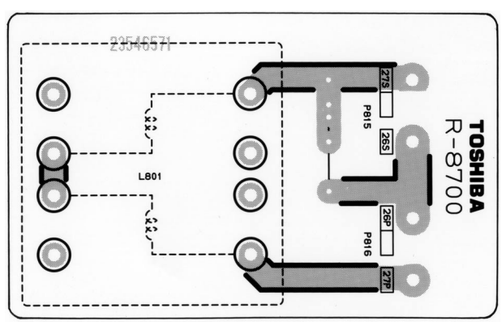
PWR AC SW BOARD PB9693E-2

BOTTOM (FOIL) SIDE



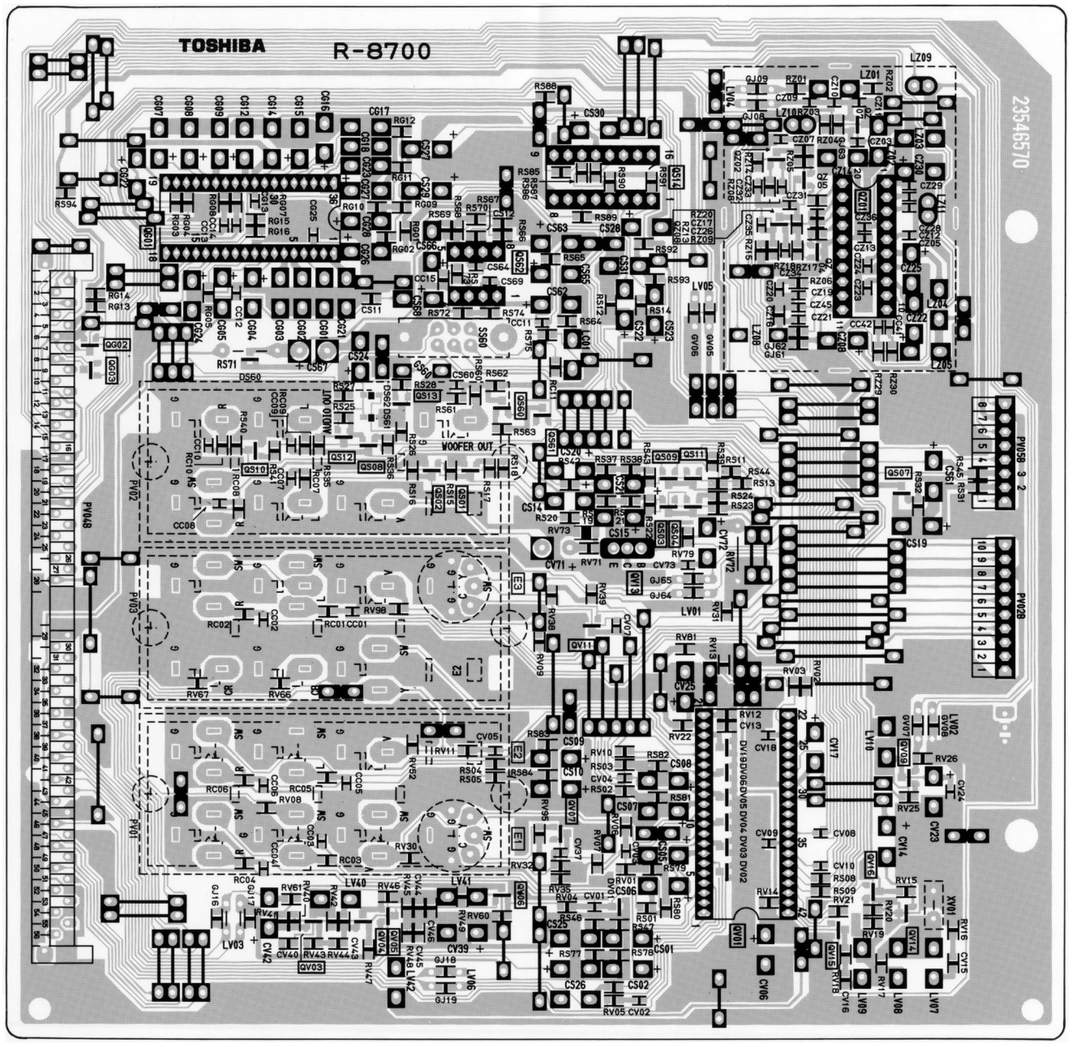
REACTROL BOARD PB9693E-3

BOTTOM (FOIL) SIDE



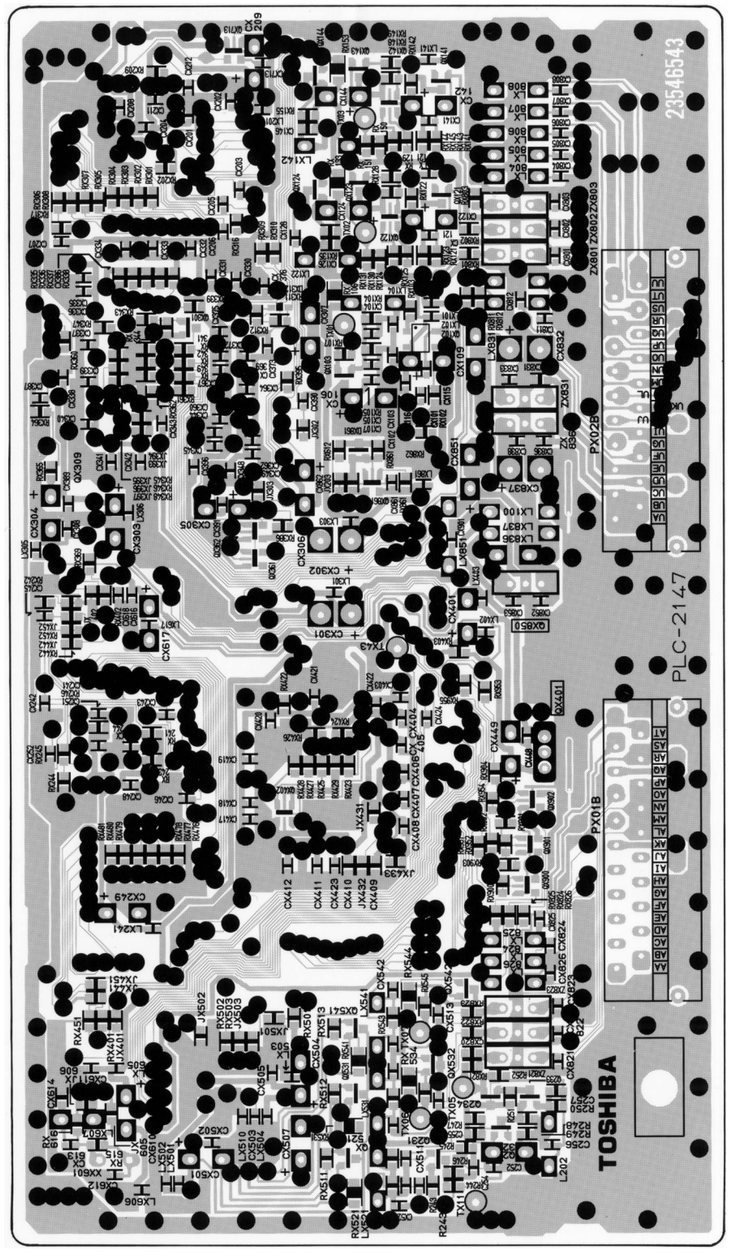
BACK/AV BOARD PB9691A

BOTTOM (FOIL) SIDE



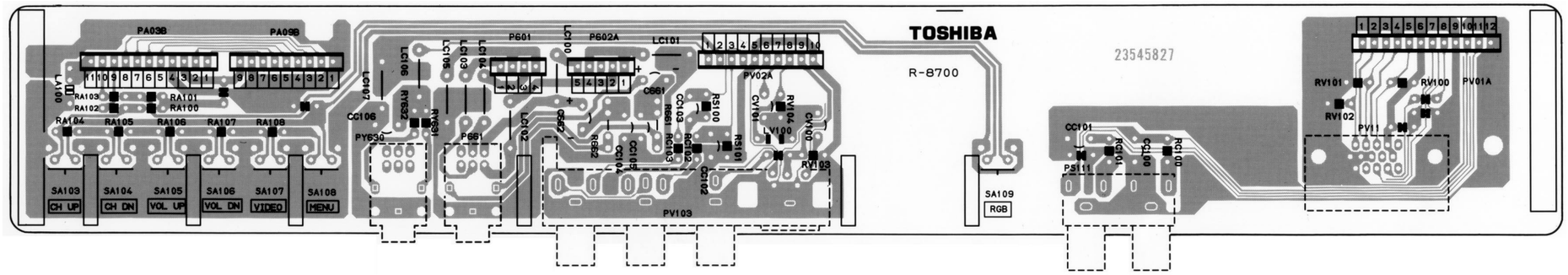
UP-CON BOARD PD0552

BOTTOM (FOIL) SIDE



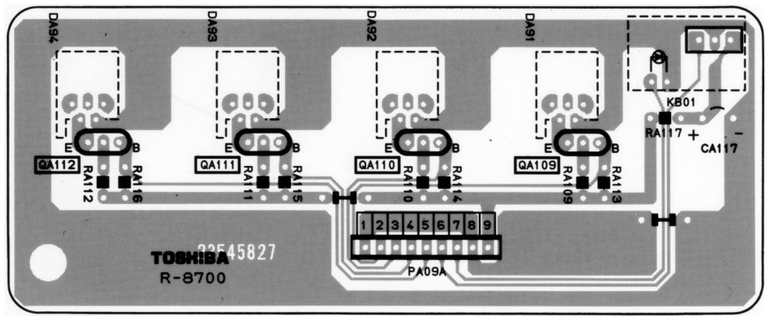
CONT-1 BOARD PB8380C-1

BOTTOM (FOIL) SIDE



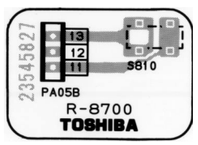
CONT-2 BOARD PB8380C-2

BOTTOM (FOIL) SIDE



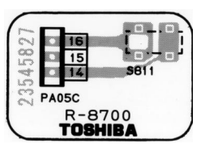
SHUT SW1 BOARD PB8380C-3

BOTTOM (FOIL) SIDE



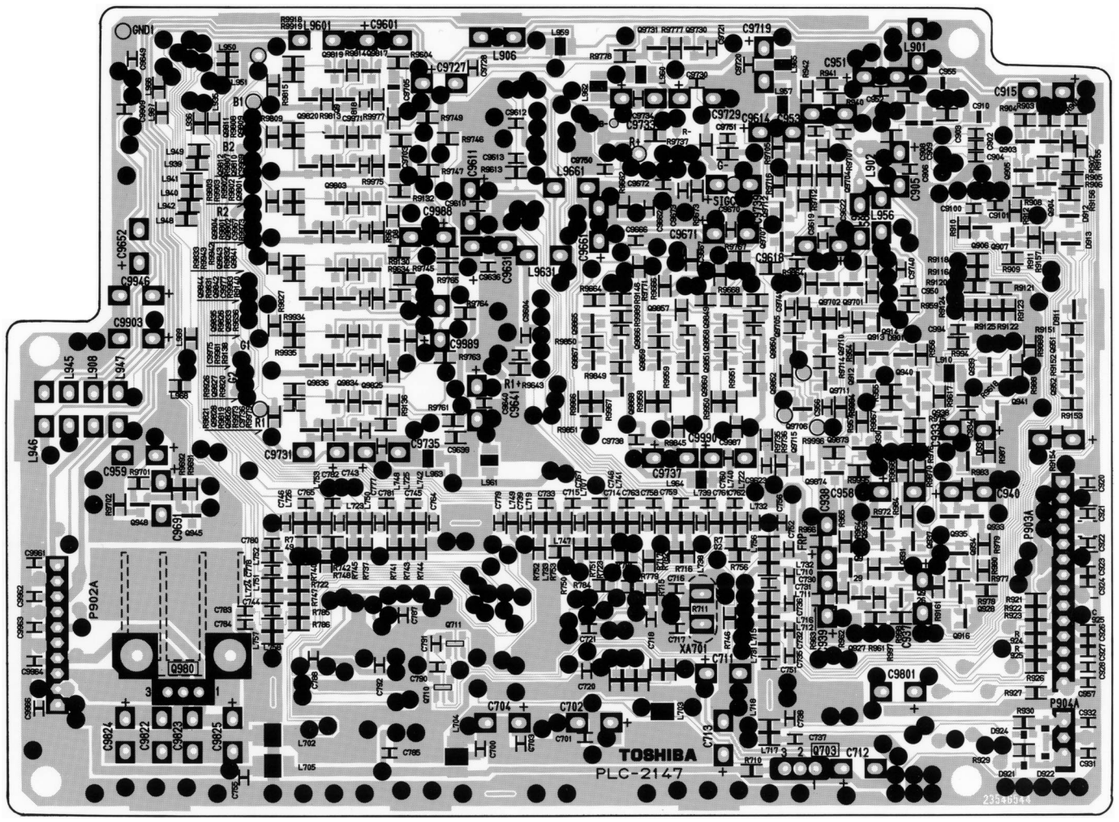
SHUT SW2 BOARD PB8380C-4

BOTTOM (FOIL) SIDE



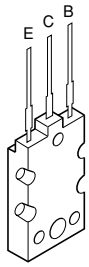
RGB-DRIVE BOARD PB9861

BOTTOM (FOIL) SIDE

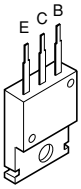


TERMINAL VIEW OF TRANSISTORS

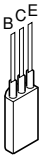
① 2SD2253
(old)
2SC5243



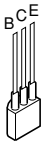
② 2SC3852
2SD1763A
2SC1569
2SC4544
2SA1788
2SA1306
2SA1186A



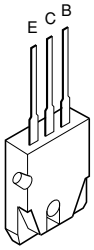
③ 2SC752GTM
2SC2482
2SC2655
2SC4721P



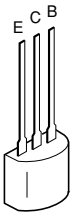
④ 2SC752
2SA562TM
2SA1015
2SC1815
2SC2878
2SC1740S
2SC2120
2SA9335



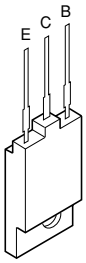
⑤ 2SA1788



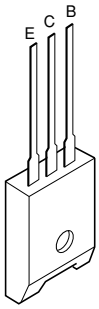
⑥ RN2203
RN2201
RN2004
RN1203
RN1204
RN2204
RN1205
RN1202
RN1201



⑦ 2SD1554
2SD2253
2SD1556
2SC5143
2SD2553



⑧ ON4409



SCHEMATIC DIAGRAM

MODEL : 44A9UH / 44A9UR

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON THE MANUAL FOR THIS MODEL.

CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on the MANUAL for this model. Do not degrade the safety of the receiver through improper servicing.

NOTE:

1. RESISTOR Resistance is shown in ohm [K = 1.000, M = 1.000.000]. All resistors are 1/6W and 5% tolerance carbon resistor, unless otherwise noted as the following marks.
   1/2R = Metal or Metal oxide of 1/2 watt 1/2S = Carbon compsistion of 1/2 watt
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2. CAPACITOR Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in μF, and the values more than 1 in pF.
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3. The parts indicated with " ⚠ " have special characteristics, and should be replaced with identical parts only.
4. Voltages read with DIGITAL MULTI-METER from point indicated to chassing ground, using a color bar signal with all controls at normal, line voltage 220 volts.
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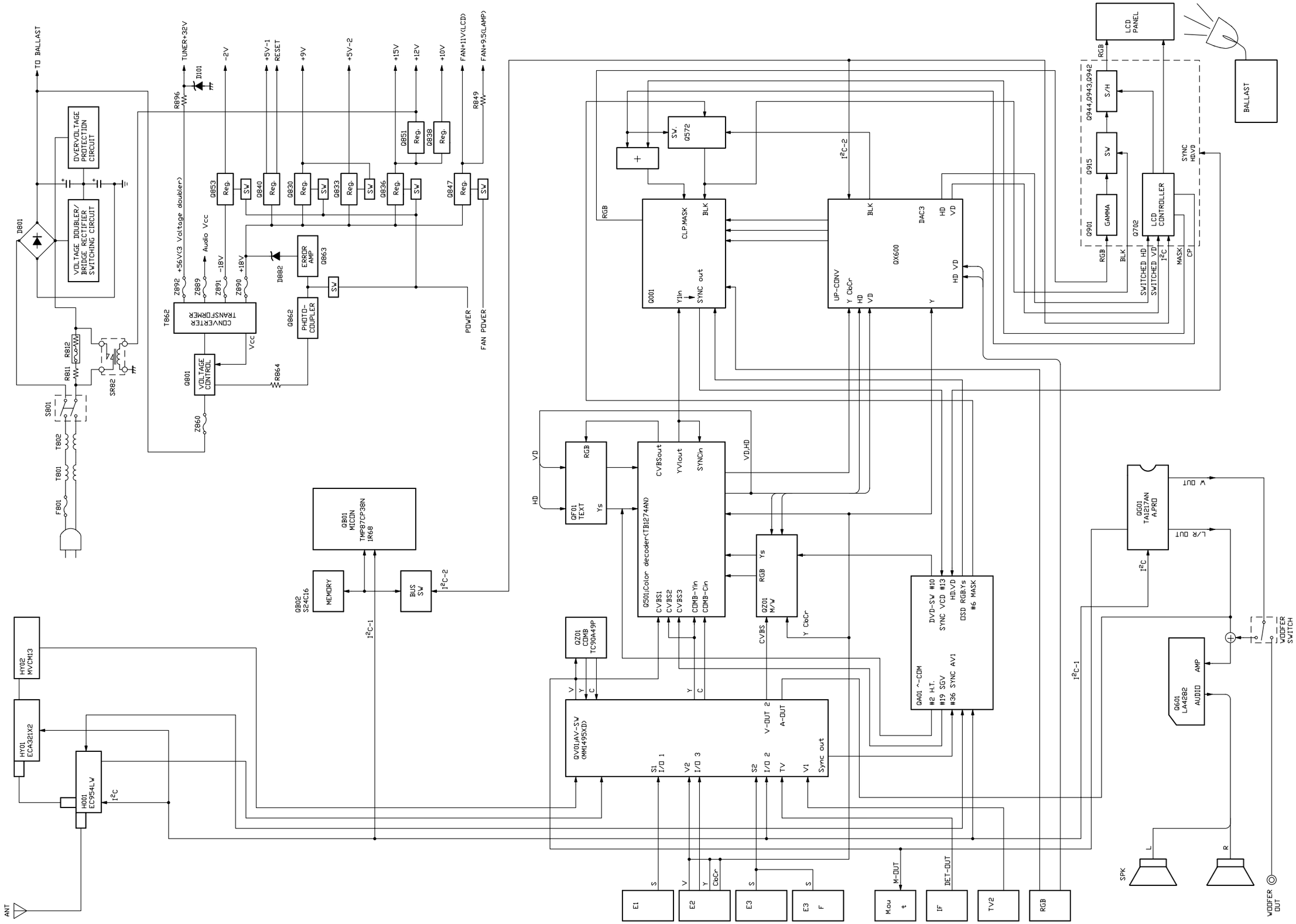
■ SCHEMATIC DIAGRAM STRUCTURE:

- SIGNAL Circuit
- POWER Circuit
- BACK /AV Circuit
- RGB Circuit
- FRONT(CONTROL) Circuit
- UPCON Circuit
  - DFS(Digital Frame Scan) [SHEET-1]
  - HV-SCALLER BLOCK [SHEET-2]

CIRCUIT BLOCK DIAGRAM



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<table>
<tr><th colspan="3">SPECIFICATIONS (Representative: 44A9UH)</th></tr>
<tr><td colspan="2">Rated voltage</td><td>AC 110 V – 240 V, 50/60 Hz</td></tr>
<tr><td colspan="2">Power consumption
(at AC 220 V, 50 Hz)</td><td>198 W</td></tr>
<tr><td colspan="2">Dimensions
(Width × Height × Depth)</td><td>1061 mm × 1127 mm × 476 mm</td></tr>
<tr><td colspan="2">Mass</td><td>35.2 kg</td></tr>
<tr><td colspan="2">Screen size</td><td>Type 44 (110 cm) viewable picture measured diagonally</td></tr>
<tr><td rowspan="2">Television system
(Aerial input)</td><td>Channel coverage</td><td>
<table>
<tr><th>System</th><th>Channel</th><th>VHF</th><th>UHF</th><th>CATV</th></tr>
<tr><td>PAL B/G</td><td>CCIR</td><td>2 – 12</td><td>21 – 69</td><td>X ~ Z+2, S1 ~ S41</td></tr>
<tr><td>PAL I</td><td>UK</td><td>—</td><td>21 – 69</td><td>—</td></tr>
<tr><td>PAL D/K</td><td>CHINA</td><td>1 – 12</td><td>13 – 57</td><td>Z–1 ~ Z–38</td></tr>
<tr><td>SECAM B/G</td><td>CCIR</td><td>2 – 12</td><td>21 – 69</td><td>X ~ Z+2, S1 ~ S41</td></tr>
<tr><td>SECAM D/K</td><td>OIRT</td><td>1 – 12</td><td>21 – 69</td><td>X1 ~ X19</td></tr>
<tr><td>NTSC M</td><td>JAPAN</td><td>1 – 12</td><td>13 – 62</td><td>M1 ~ M10, S1 ~ S41</td></tr>
<tr><td>NTSC M</td><td>US</td><td>2 – 13</td><td>14 – 69</td><td>A6 ~ A-1, A ~ W, AA ~ ZZ, AAA, BBB</td></tr>
</table>
</td></tr>
<tr><td>Special RF signal</td><td>
<table>
<tr><th>Colour system</th><th>Sound system</th></tr>
<tr><td>4.43NTSC</td><td>5.5/6.0/6.5 MHz</td></tr>
<tr><td>PAL 60Hz</td><td>5.5/6.0/6.5 MHz</td></tr>
</table>
</td></tr>
<tr><td colspan="2">Colour system</td><td>PAL/SECAM/NTSC4.43/NTSC3.58</td></tr>
<tr><td colspan="2">Sound output</td><td>MAIN: 14 W + 14 W</td></tr>
<tr><td colspan="2">Accessories</td><td>• Remote controller × 1
• Batteries (R03, AAA) × 2</td></tr>
</table>

* Please refer to owner's manual in detail.

– END –

TOSHIBA CORPORATION
1-1, SHIBAURA 1-CHOME, MINATO-KU, TOKYO 105-8001, JAPAN

SCHEMATIC DIAGRAM

MODEL : 44A9UH / 44A9UR

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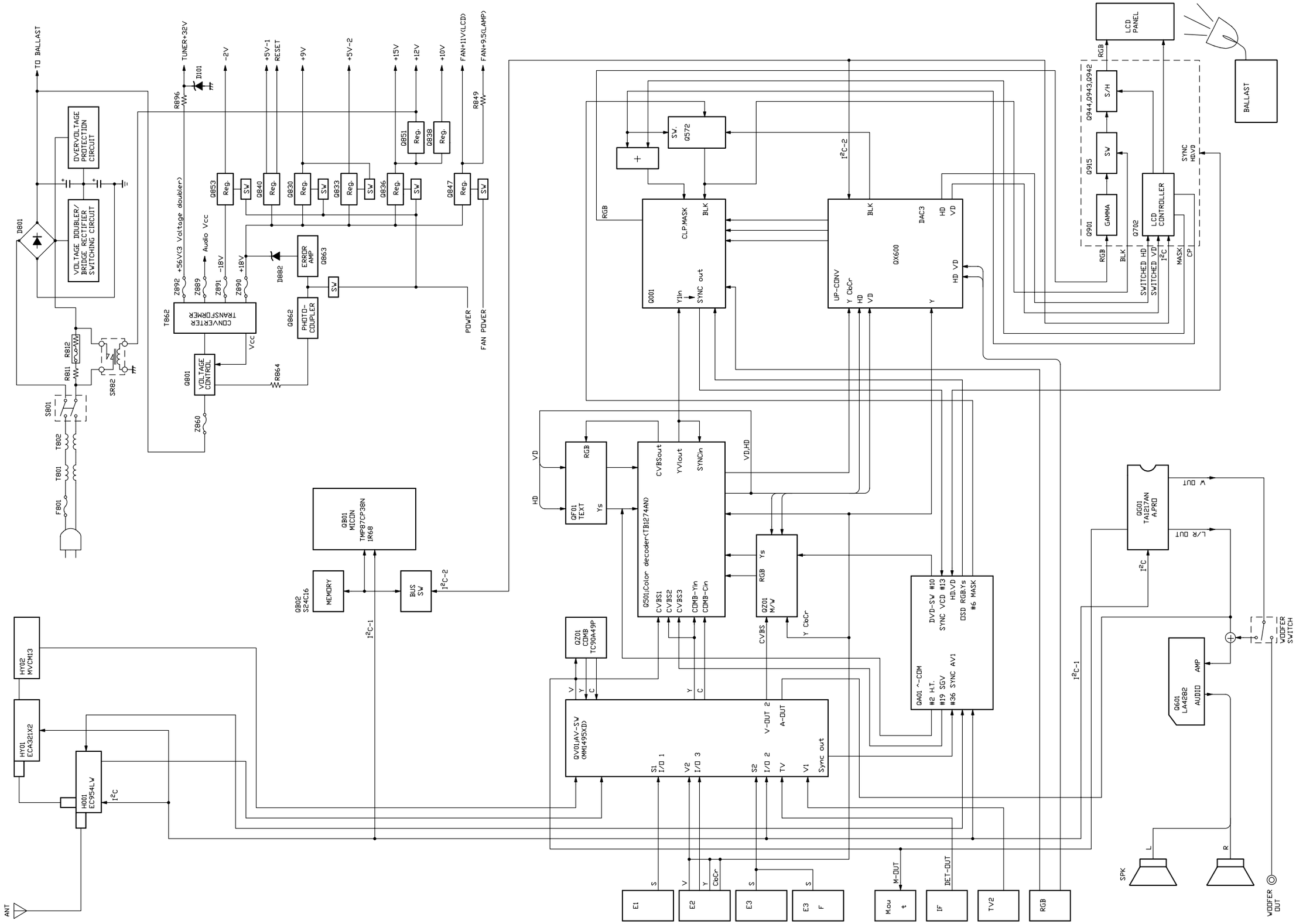


PW UNIT SIGNAL

U901
SIGNAL BOARD

PW UNIT UP-CONVERTER

TELETEXT

PW UNIT POWER

UM01 MVPC04 VC-PIP MODULE

MODULE 3D-YCS/COMB

TO KEY/CONT

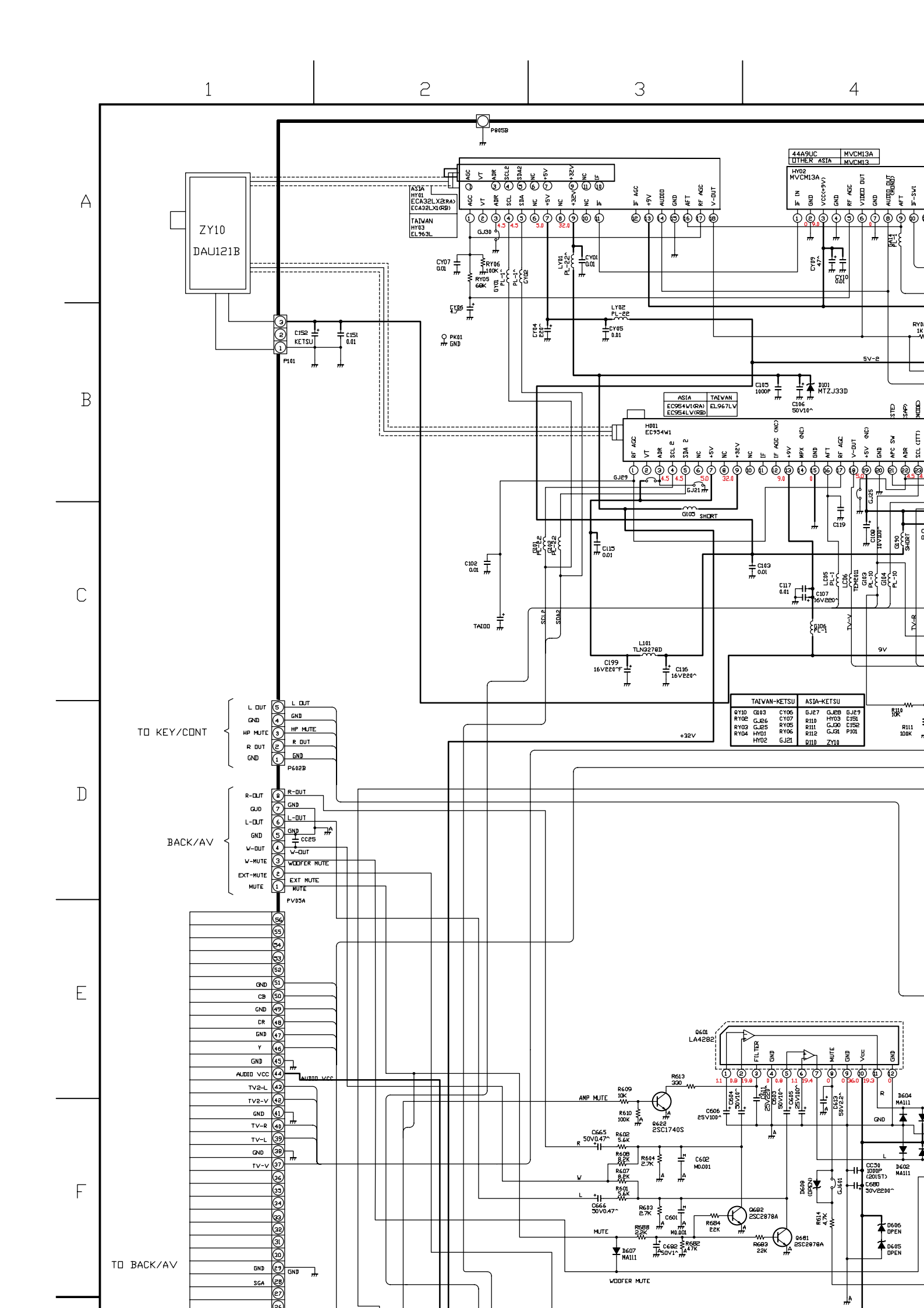
BACK/AV

TO BACK/AV

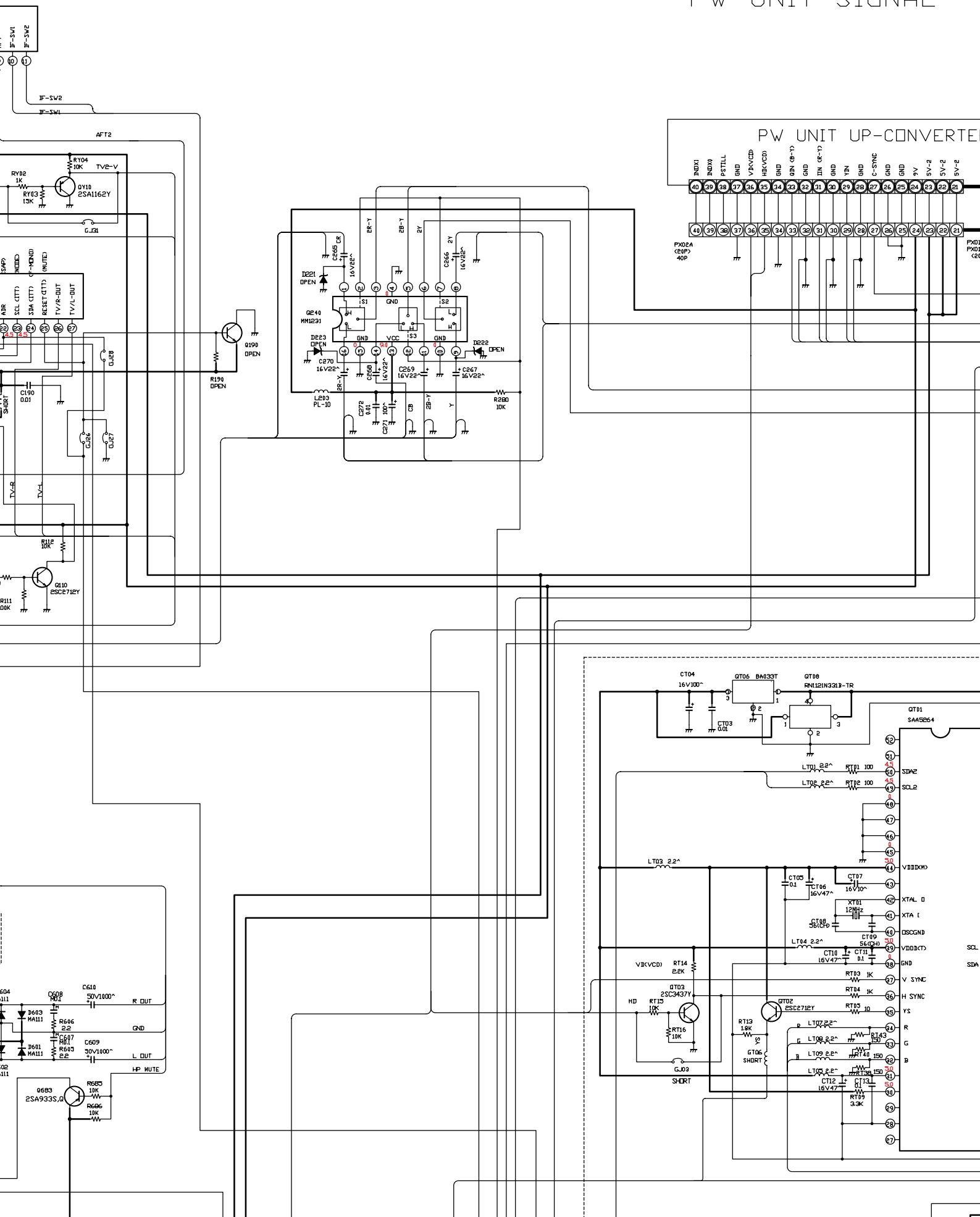
TO KEY CONT

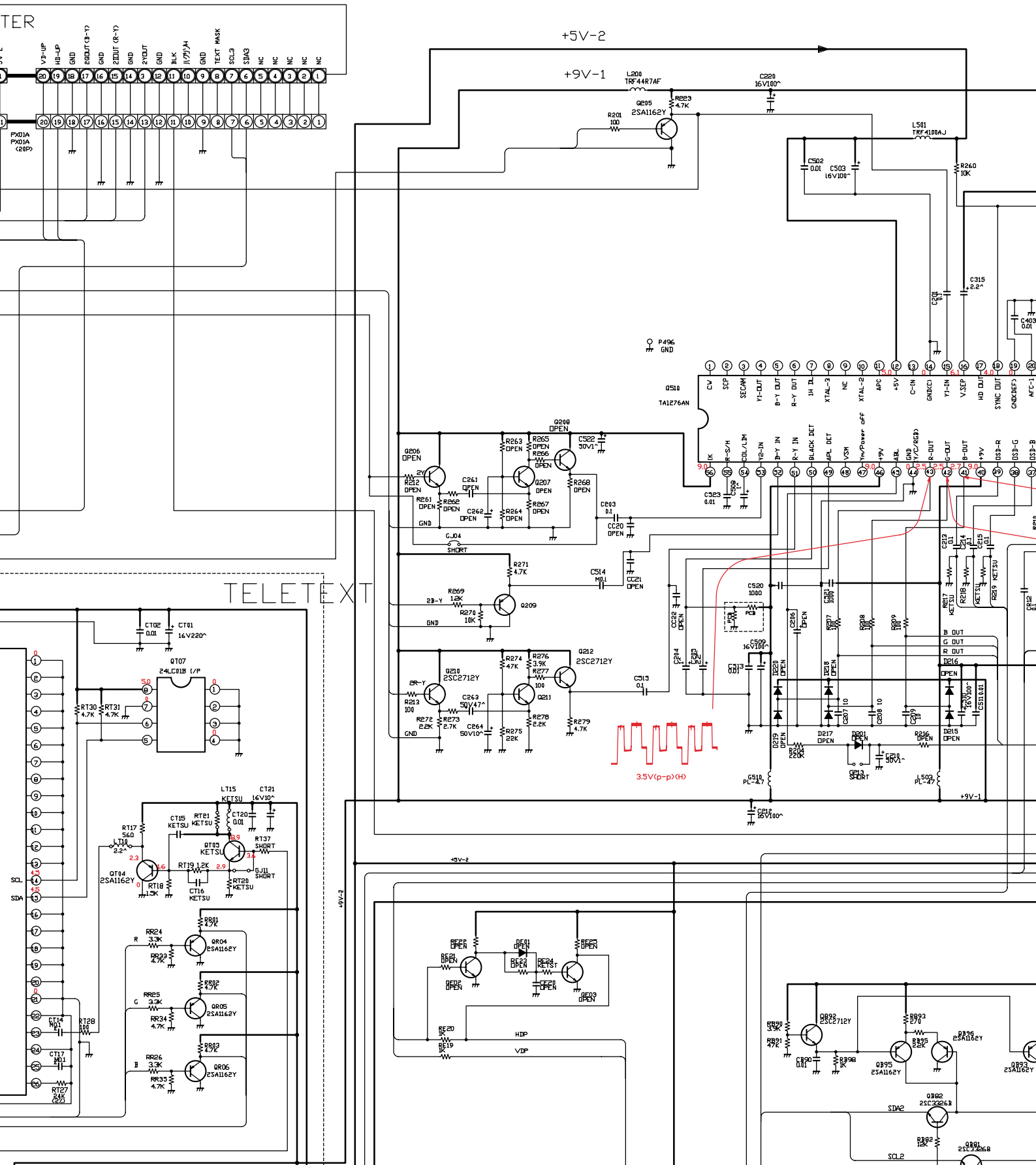
* KETSU means to open the circuit.

SIGNAL
44A9UH
44A9UR


ZY10
DAU121B
TO KEY/CONT
TO BACK/AV
BACK/AV
P805B
P602B
PV05A
P101
Q601
LA4282
Q622
2SC1740S
Q682
2SC2878A
Q681
2SC2878A
AMP MUTE
MUTE
WOOFER MUTE
AUDIO VCC
+32V
9V
5V-2
TAIWAN-KETSU
ASIA-KETSU

PW UNIT SIGNAL

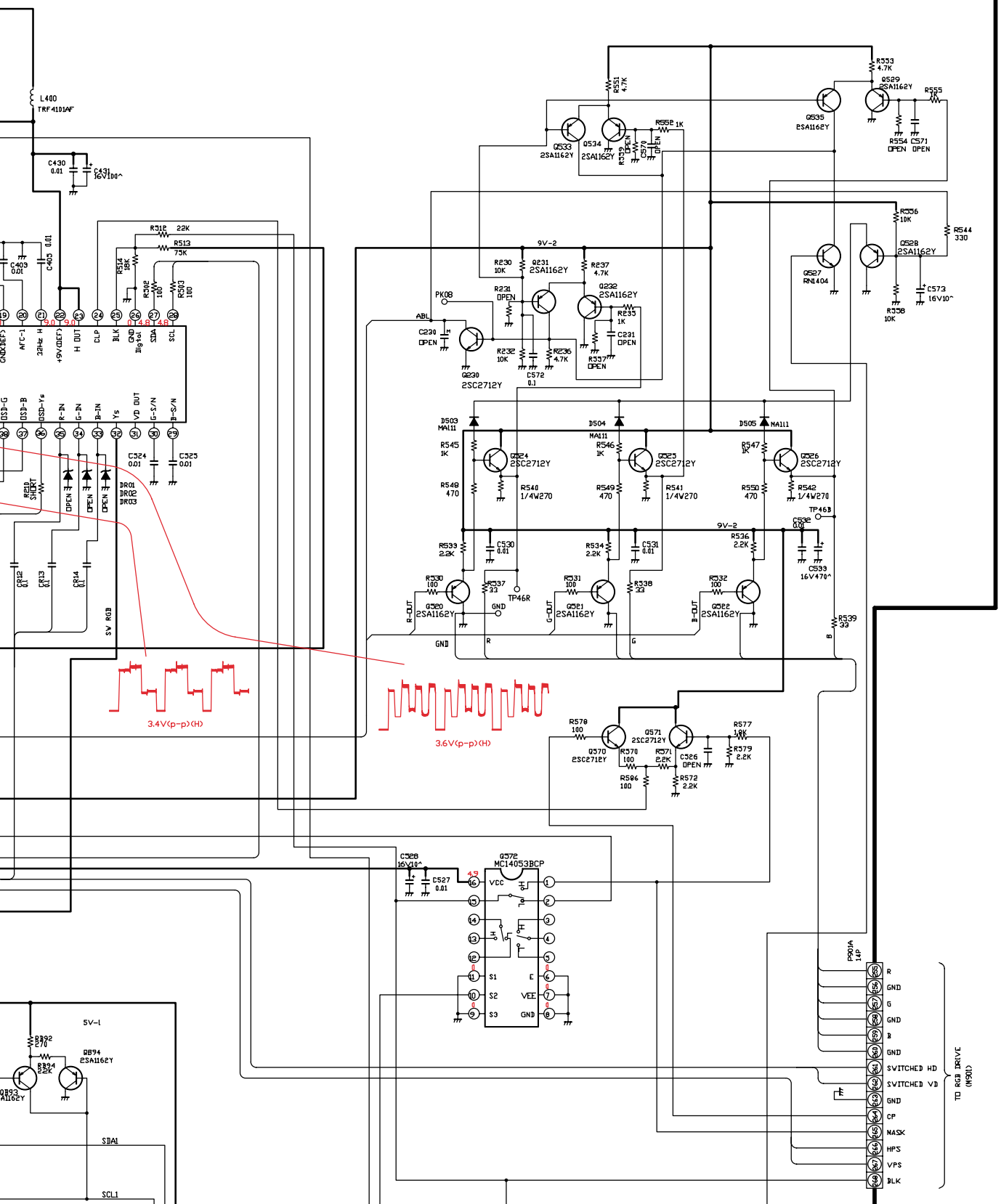


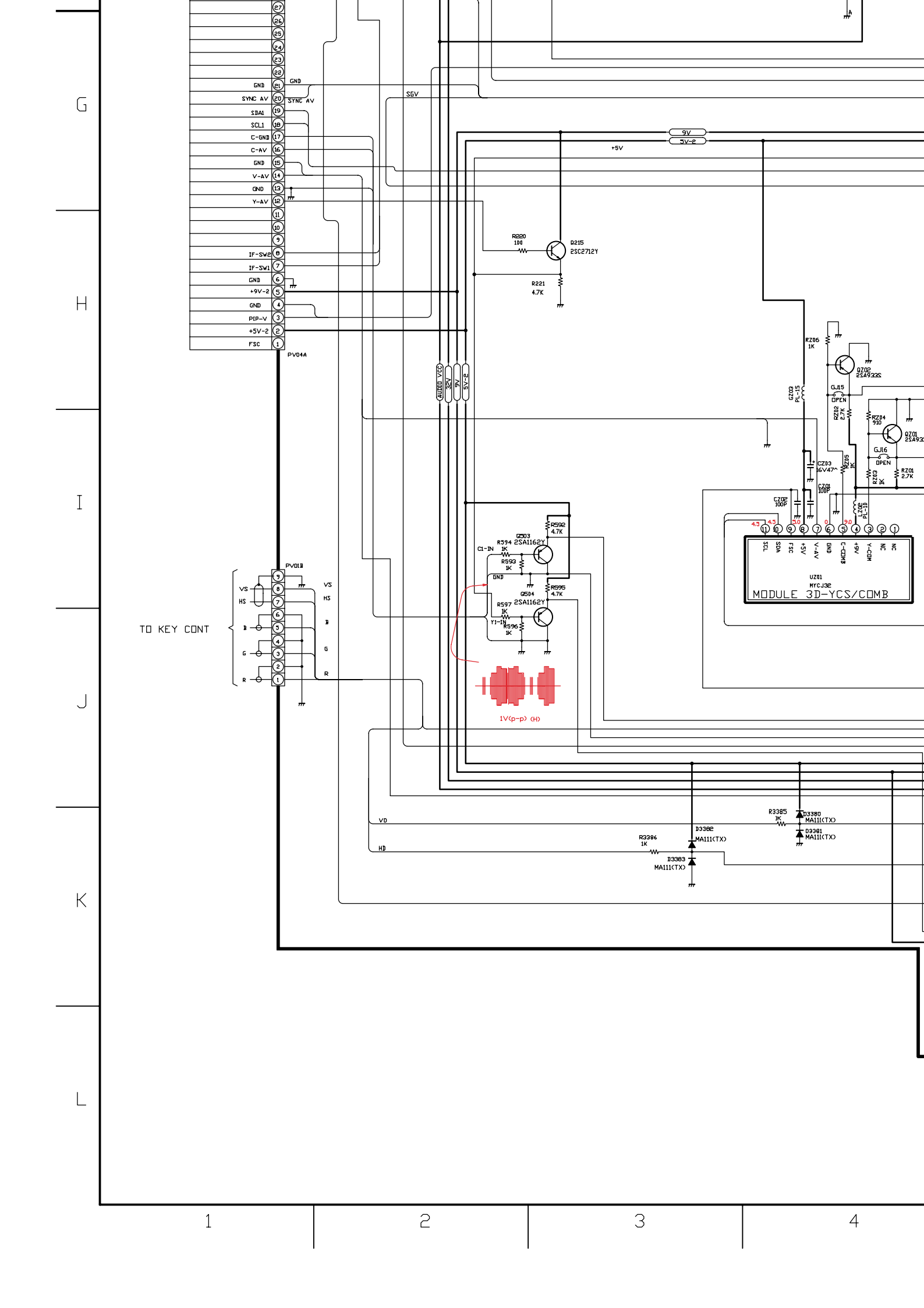

TER
V3-UP
H0-UP
GND
2ROUT (B-Y)
2BOUT (R-Y)
GND
2YOUT
GND
BLK
GND
TEXT MASK
SCL3
SDA3
NC
NC
NC
NC
NC
FX01A
FX01A
(20P)
+5V-2
+9V-1
L200
TRF44R7AF
Q205
2SA1162Y
R223
4.7K
R201
100
C220
16V100^
L501
TRF4100AJ
C502
0.01
C503
16V100^
R260
10K
C315
2.2^
P496
GND
Q510
TA1276AN
CV
SCP
SECAM
Y1-OUT
B-Y OUT
R-Y OUT
1H DL
XTAL-3
NC
XTAL-2
APC
+5V
C-IN
GND(C)
Y1-IN
V.SEP
H0 OUT
SYNC OUT
GND(DEF)
AFC-1
Q208
OPEN
Q206
OPEN
R263
OPEN
R265
OPEN
R266
OPEN
C522
30V1^
R212
OPEN
C261
OPEN
Q207
OPEN
R268
OPEN
R261
OPEN
R262
OPEN
C262
OPEN
R264
OPEN
R267
OPEN
GND
GJ04
SHORT
C503
0.01
C514
M0.1
CC20
OPEN
CC21
OPEN
R271
4.7K
R269
1.2K
Q209
R270
10K
GND
C520
1000
Q212
2SC2712Y
Q210
2SC2712Y
Q211
R274
47K
R276
3.9K
R277
100
C513
0.1
R213
100
C263
50V47^
C264
50V10^
R272
2.2K
R273
2.7K
R275
22K
R278
2.2K
R279
4.7K
3.5V(p-p)(H)
C509
16V100^
C510
PC-4.7
C512
16V100^
L503
PC-47
+9V-1
TELETEXT
CT02
0.01
CT01
16V220^
QT07
24LC01B I/P
RT30
4.7K
RT31
4.7K
LT15
KETSU
CT21
16V10^
CT15
KETSU
RT21
KETSU
CT20
0.01
RT17
560
LT19
2.2^
QT03
KETSU
RT37
SHORT
QT04
2SA1162Y
RT18
1.5K
RT19
1.2K
CT16
KETSU
RT20
KETSU
GJ11
SHORT
SCL
SDA
RR24
3.3K
RR23
4.7K
QR04
2SA1162Y
RR25
3.3K
RR34
4.7K
QR05
2SA1162Y
RR26
3.3K
RR33
4.7K
QR06
2SA1162Y
CT14
M0.1
RT28
100
CT17
M0.1
RT27
24K
+5V-2
+9V-2
HDP
VDP
Q892
2SC2712Y
Q895
2SA1162Y
Q893
2SA1162Y
SDA2
SCL2
Q882
2SC3326B
Q881
2SC3326B

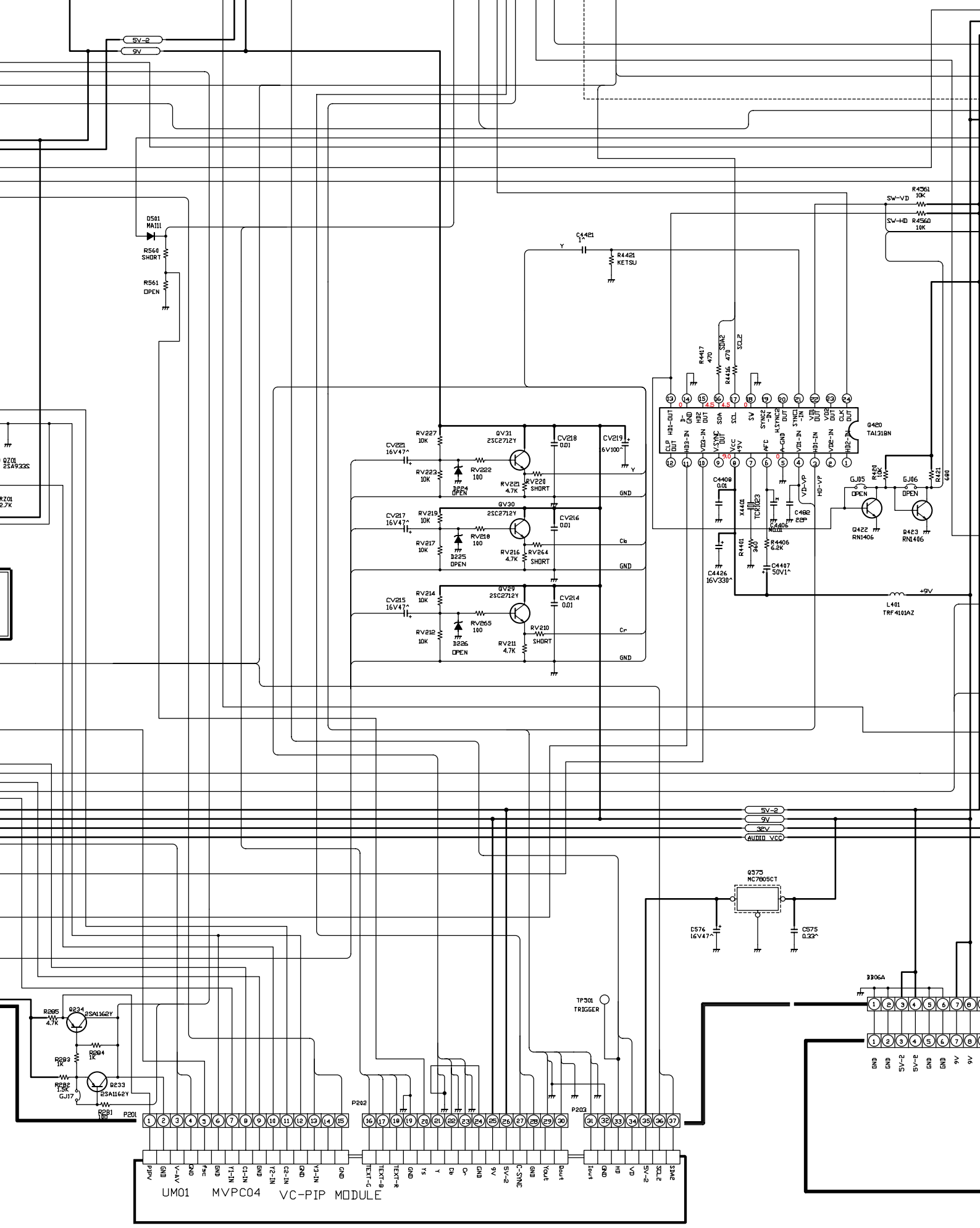
13 14 15 16

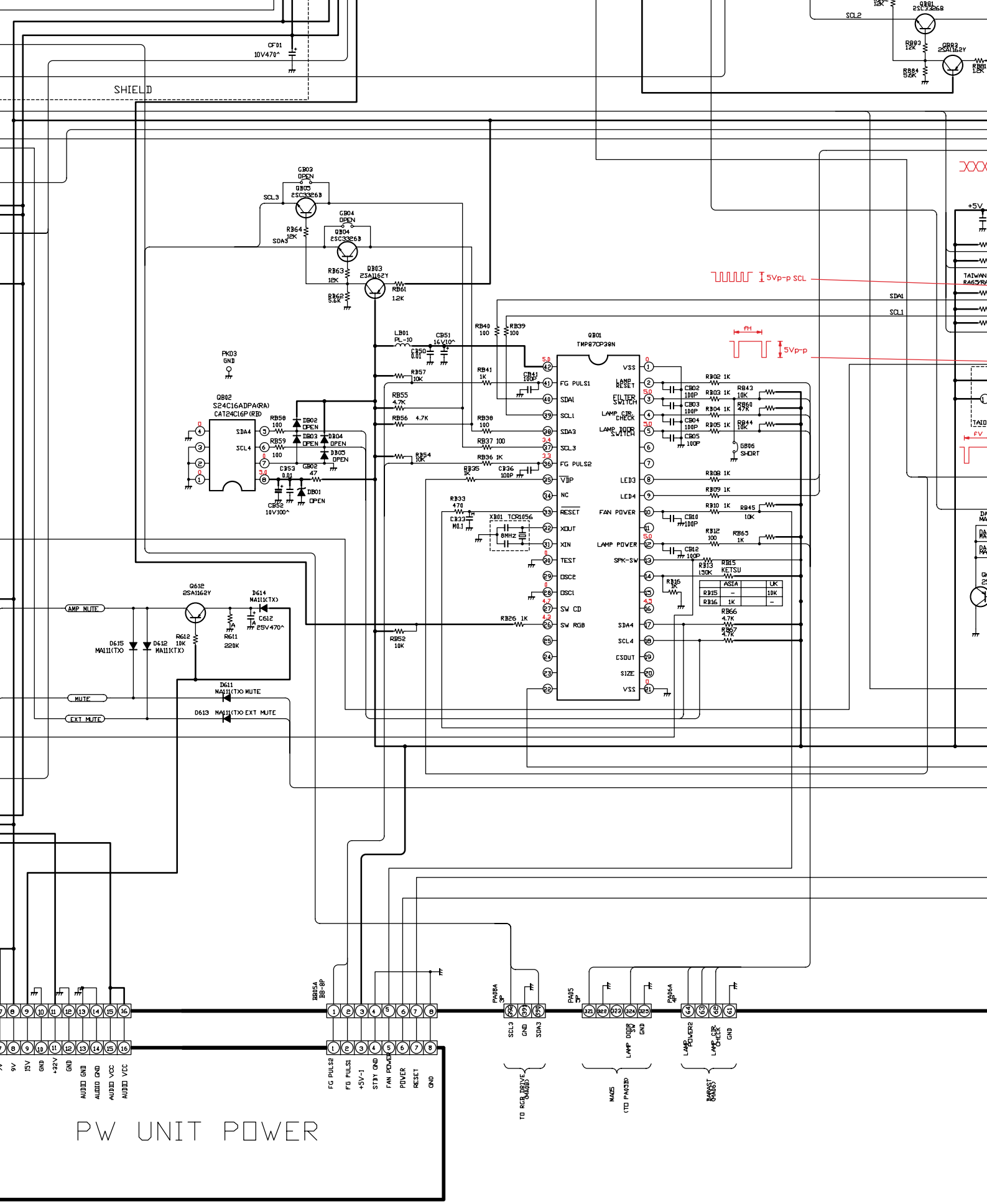
A B C D E F

U901
SIGNAL BOARD

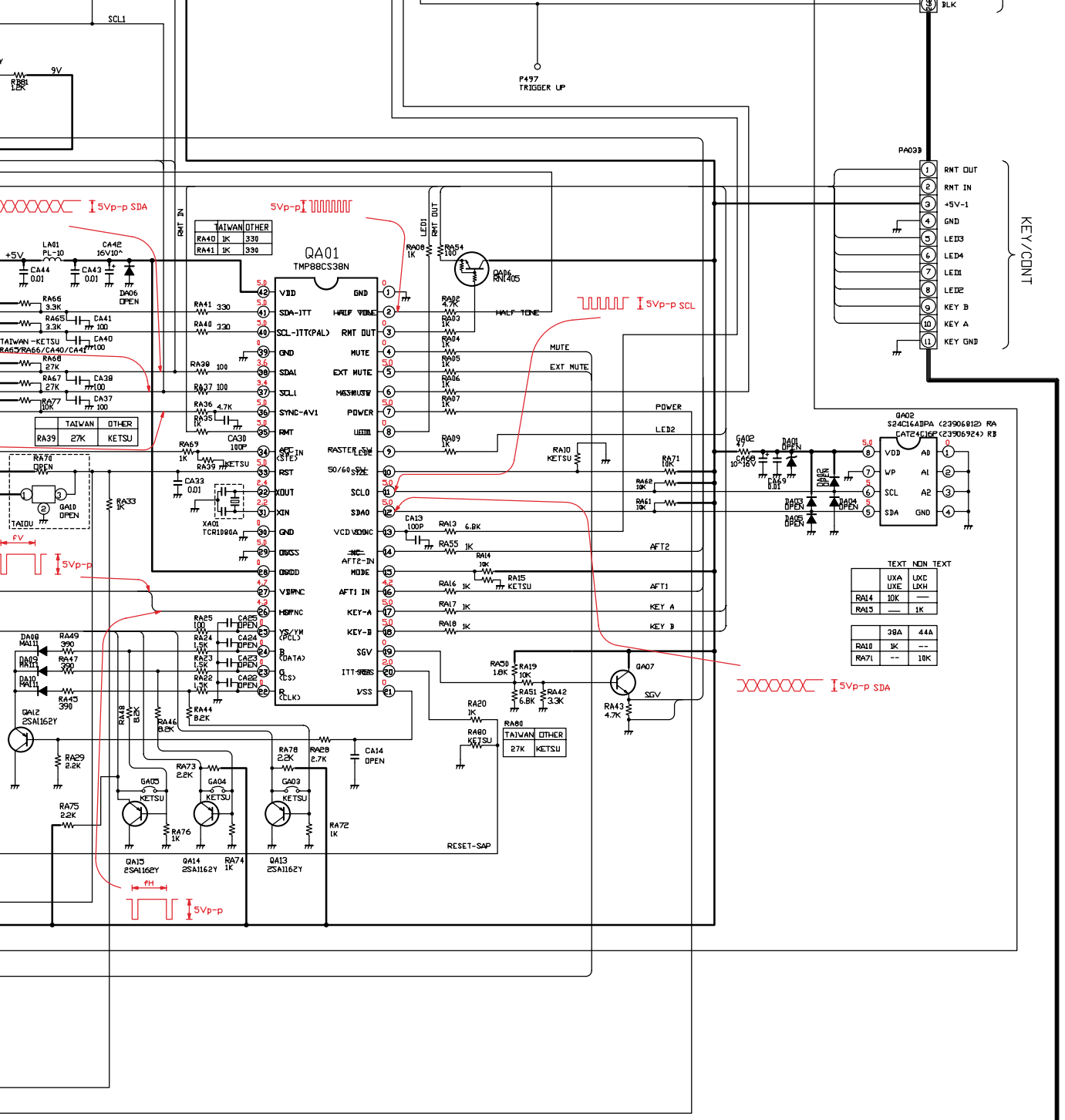



PV04A
GND
SYNC AV
SDA1
SCL1
C-GND
C-AV
GND
V-AV
GND
Y-AV
IF-SW2
IF-SW1
GND
+9V-2
GND
PIP-V
+5V-2
FSC
SGV
9V
5V-2
+5V
R220 100
R215 2SC2712Y
R221 4.7K
AUDIO VCC
12V
5V
5V-2
RZ05 1K
QZ02 2SA933S
GJ15 OPEN
LZ03 PL-15
RZ02 2.7K
RZ04 910
QZ01 2SA933
GJ16 OPEN
CZ03 16V47
RZ05 1K
RZ01 2.7K
RZ03 1K
CZ01 100P
CZ02 100P
LZ01 PL-10
UZ01 MYCJ32
MODULE 3D-YCS/COMB
SCL
SDA
FSC
+5V
V-AV
GND
C-COMB
+5V
Y-COM
NC
NC
PV01B
TO KEY CONT
VS
HS
B
G
R
Q503 2SA1162Y
R592 4.7K
R594 1K
C1-IN
R593 1K
Q504 2SA1162Y
R595 4.7K
R597 1K
Y1-IN
R596 1K
1V(p-p) (H)
VD
HD
R3385 1K
D3380 MA111(TX)
D3381 MA111(TX)
R3386 1K
D3382 MA111(TX)
D3383 MA111(TX)


5V-2
9V
D501
MA111
R560
SHORT
R561
OPEN
C4421
Y
R4421
KETSU
SW-VD
SW-HD
R4361
10K
R4560
10K
R4417
470
R4416
470
SDA2
SCL2
Q420
TA1318N
CLP OUT
HD1-OUT
P-GND
HD2 OUT
SDA
SCL
5V
SYNC2 IN
H.SYNC2 OUT
SYNC1 -IN
VD1 OUT
VD2 OUT
CLK OUT
HD3-IN
VD3-IN
V.SYNC OUT
Vcc +9V
AFC
A-GND
VD1-IN
HD1-IN
VD2-IN
HD2-IN
C4409
0.01
X4401
TCR1023
C4406
NOUSE
C4402
22P
VD1-VP
HD-VP
R4401
360
R4406
6.2K
C4426
16V330^
C4407
50V1^
GJ05
OPEN
GJ06
OPEN
Q422
RN1406
Q423
RN1406
R421
1K
R421
680
L401
TRF4101AZ
+9V
RV227
10K
QV31
2SC2712Y
CV218
0.01
CV219
6V100^
CV221
16V47^
RV223
10K
RV222
100
D224
OPEN
RV221
4.7K
RV220
SHORT
Y
GND
RV219
10K
QV30
2SC2712Y
CV216
0.01
CV217
16V47^
RV217
10K
RV218
100
D225
OPEN
RV216
4.7K
RV264
SHORT
Cb
GND
RV214
10K
QV29
2SC2712Y
CV214
0.01
CV215
16V47^
RV212
10K
RV265
100
D226
OPEN
RV211
4.7K
RV210
SHORT
Cr
GND
5V-2
9V
32V
AUDIO VCC
Q375
MC7805CT
CS76
16V47^
CS75
0.33^
TP301
TRIGGER
D206A
GND
GND
5V-2
5V-2
GND
GND
9V
9V
R295
4.7K
Q234
2SA1162Y
R293
1K
R294
1K
R292
1.8K
GJ17
Q233
2SA1162Y
R291
100
P201
P202
P203
PIPV
GND
V-AV
GND
fsc
GND
Y1-IN
C1-IN
GND
Y2-IN
C2-IN
GND
Y3-IN
GND
TEXT-G
TEXT-B
TEXT-R
GND
Ys
Y
Cb
Cr
GND
9V
5V-2
C-SYNC
GND
Vout
Bout
Iout
GND
HD
VD
5V-2
SCL2
SDA2
UM01 MVPC04 VC-PIP MODULE


SHIELD
QB01 TMP87CP38N
QB02 S24C16ADPA(RA) CAT24C16P(RB)
XB01 TCR1056 8MHZ
PK03 GND
AMP MUTE
MUTE
EXT MUTE
D611 MA111(TX) MUTE
D613 MA111(TX) EXT MUTE
5Vp-p SCL
5Vp-p
SDA1
SCL1
FG PULS1
SDA1
SCL1
SDA3
SCL3
FG PULS2
VDP
RESET
XOUT
XIN
TEST
DSCL
DSDA
SW CD
SW RGB
CSOUT
SIZE
VSS
LAMP RESET
FILTER SWITCH
LAMP CIR CHECK
LAMP DOOR SWITCH
LED3
LED4
FAN POWER
LAMP POWER
SPK-SW
SDA4
SCL4
VSS
KETSU
ASIA UK
R315 - 10K
R316 1K -
SHORT
TO RGB DRIVE (MAIN)
MAIN (TO PANEL)
TO KEY (MAIN)
PW UNIT POWER
* KETSU means to open the

9	10	11	12



circuit.

SIGNAL
44A9UH
44A9UR

POWER UNIT

Lamp Around

PWR AC SW

REACTOL UNIT (44A9UC/44A9UR)

LIVE AREA

44A9UC/44A9UR KETSU

(SHORT TA2DD)

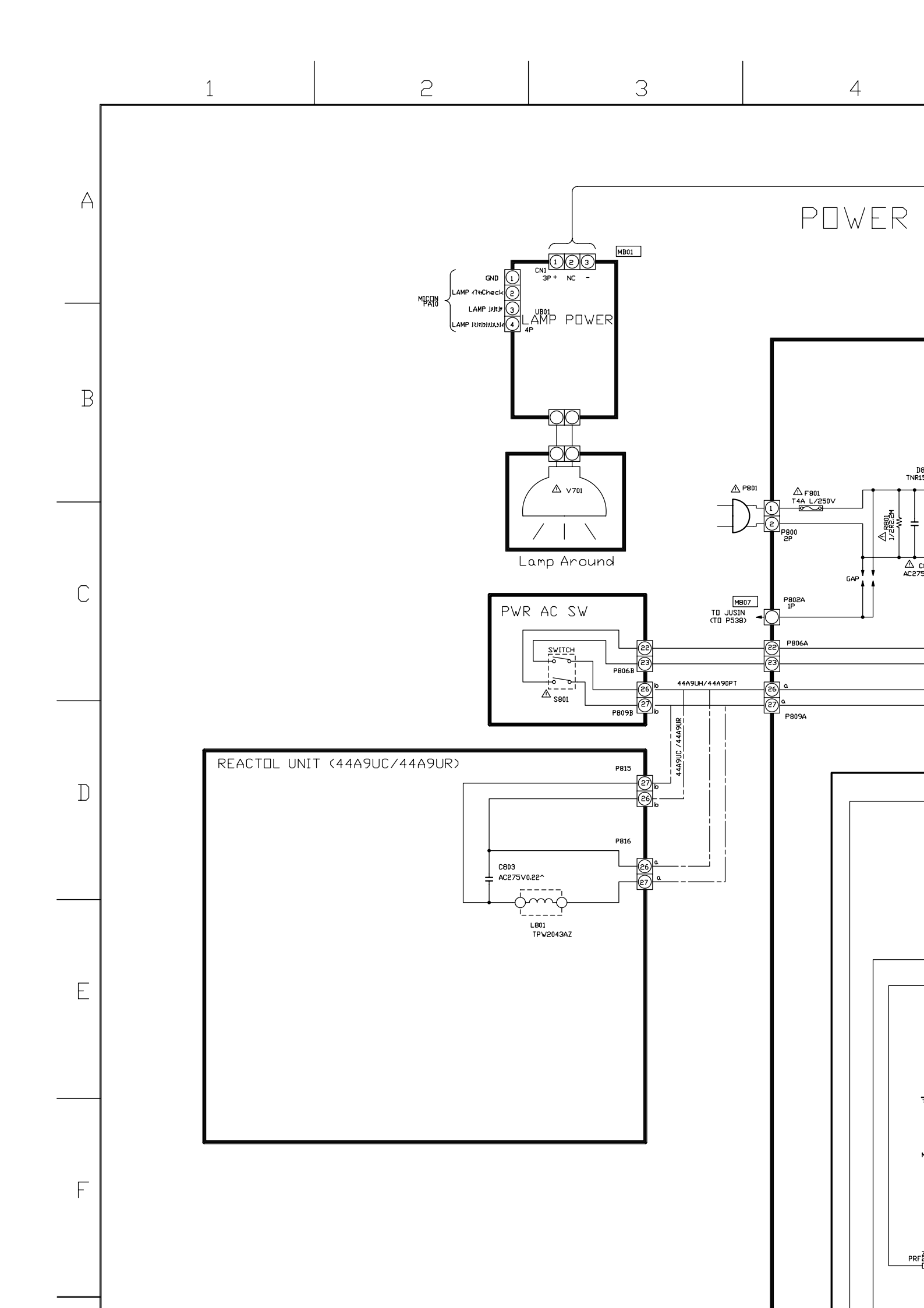
SIGNAL

TO FAN MOTOR

TO SUB DRIVE

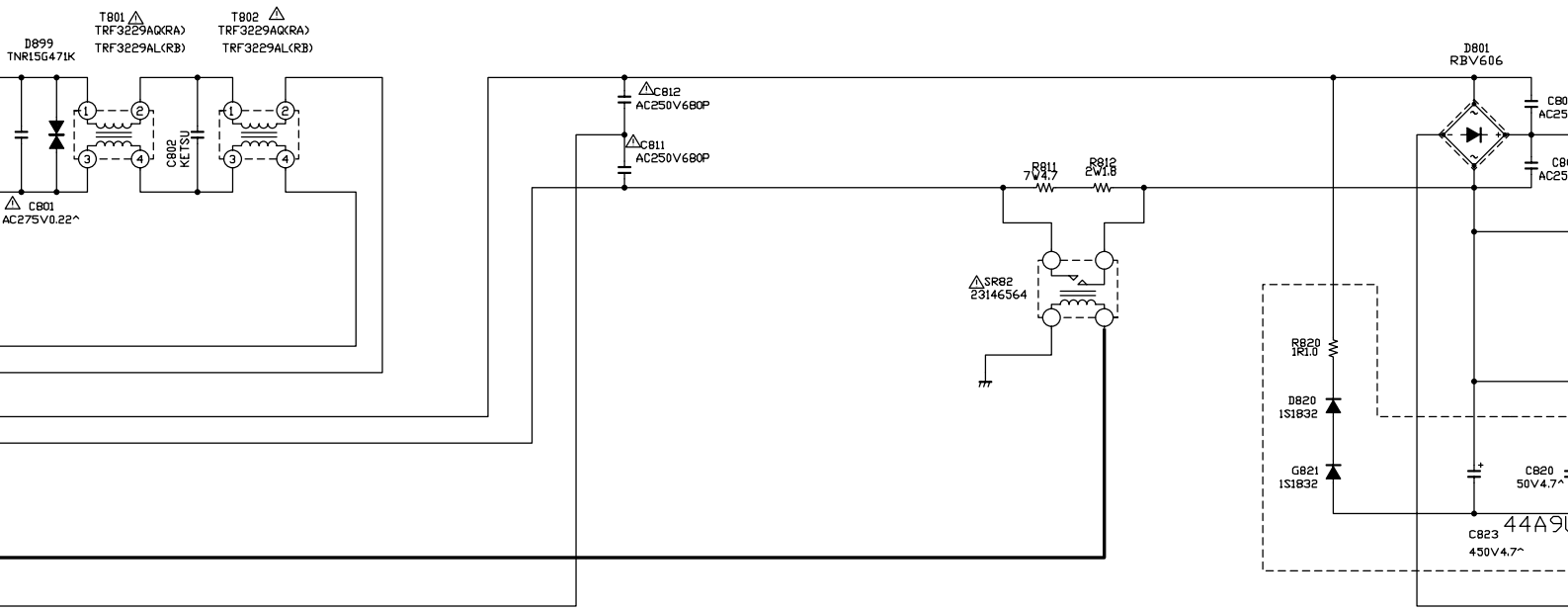
* KETSU means to open the circuit.

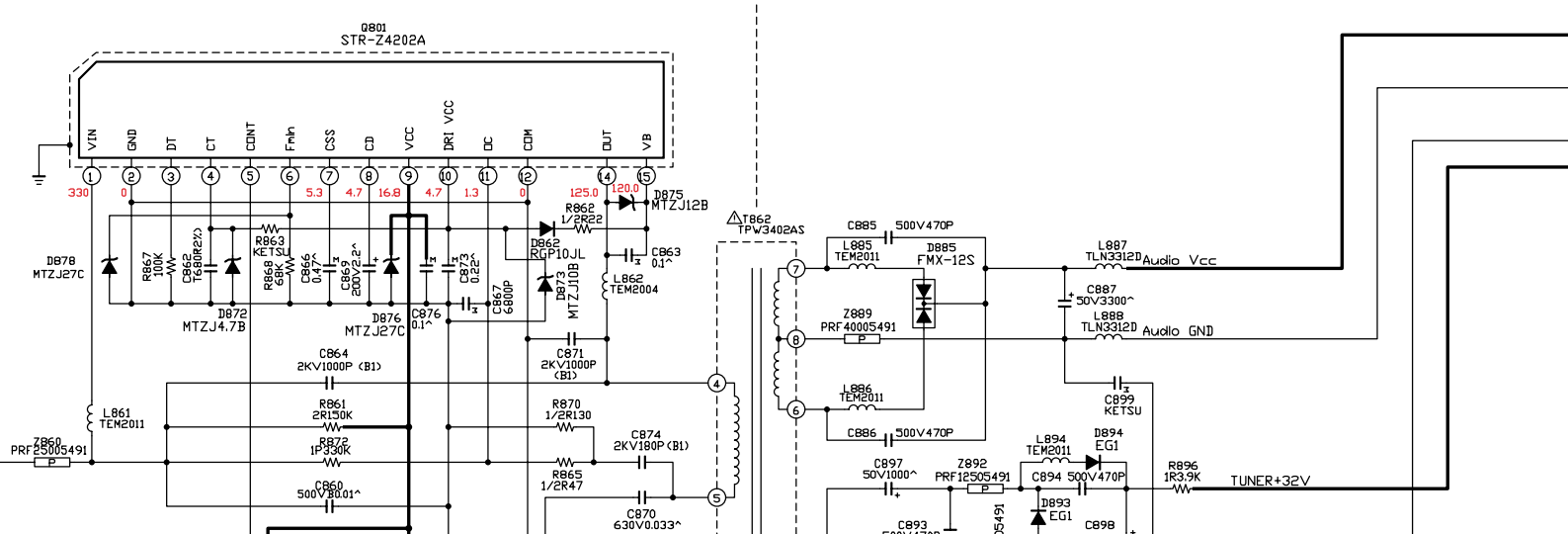
POWER
44A9UH
44A9UR

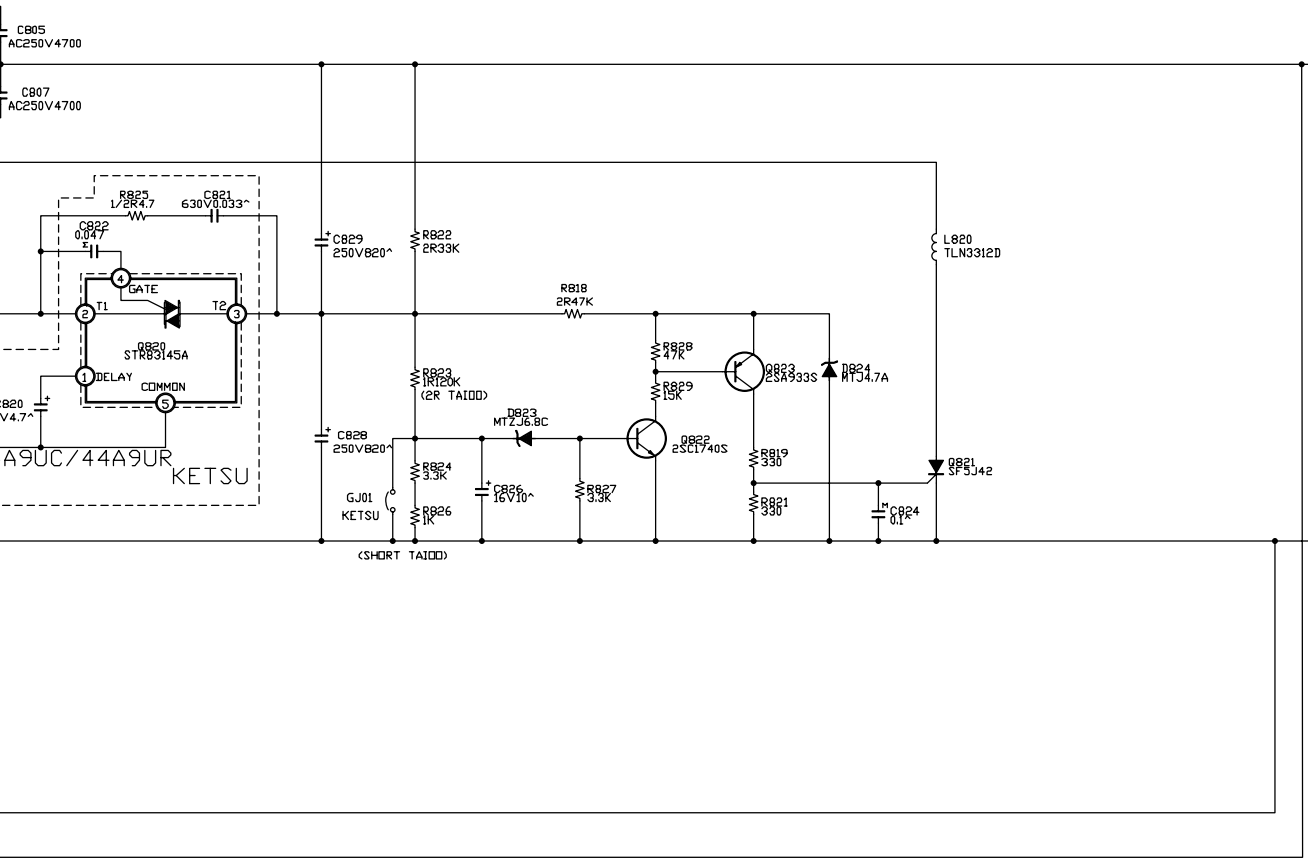

POWER
MB01
CN1
3P + NC -
GND
LAMP
LAMP
LAMP
MICON
PA10
UB01
LAMP POWER
4P
V701
Lamp Around
P801
F801
T4A L/250V
P800
2P
GAP
MB07
TO JUSIN
(TO P538)
P802A
1P
PWR AC SW
SWITCH
S801
P806B
P809B
P806A
P809A
44A9UH/44A9UPT
REACTOL UNIT (44A9UC/44A9UR)
P815
P816
44A9UC/44A9UR
C803
AC275V0.22^
L801
TPW2043AZ

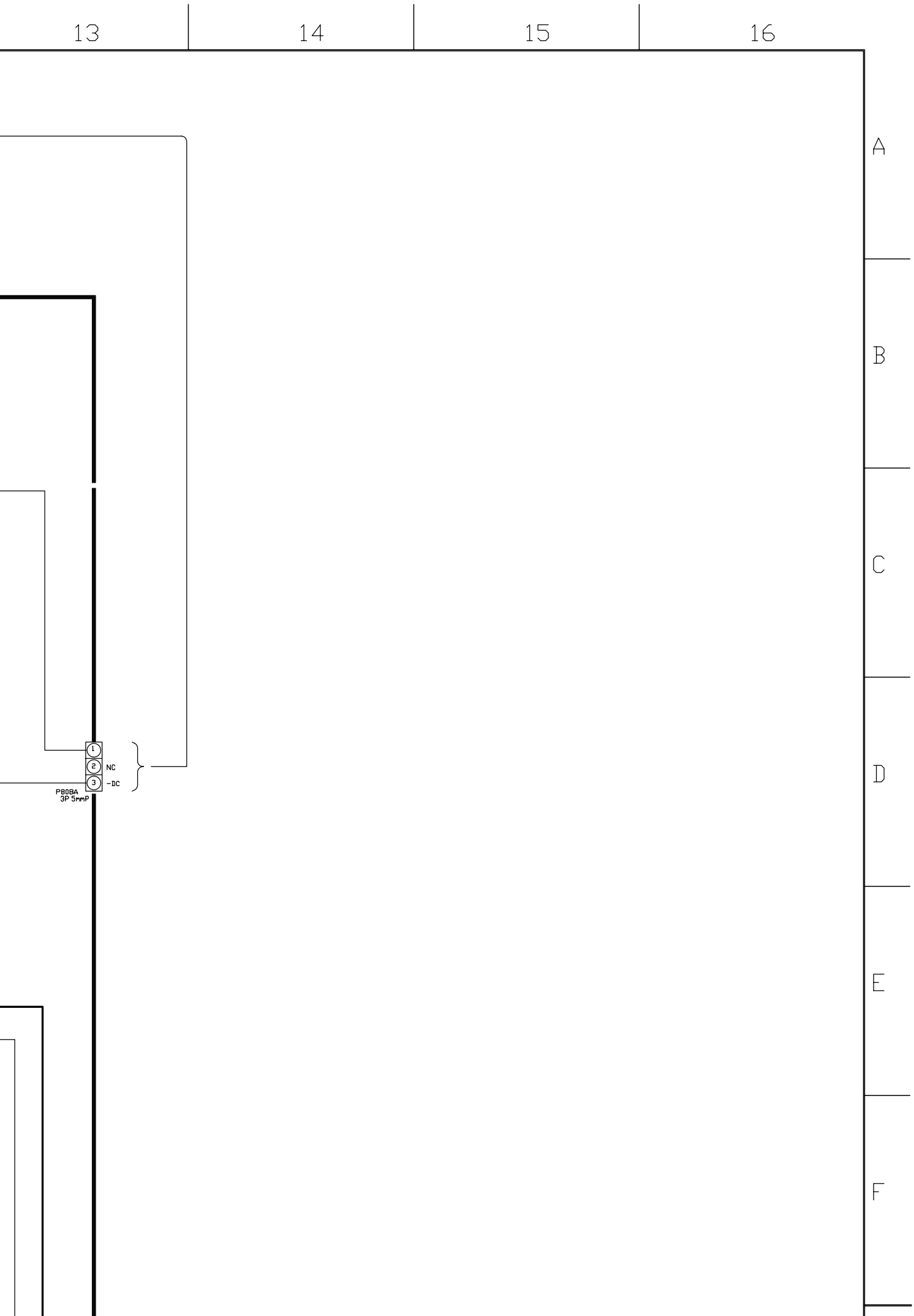
5 6 7 8

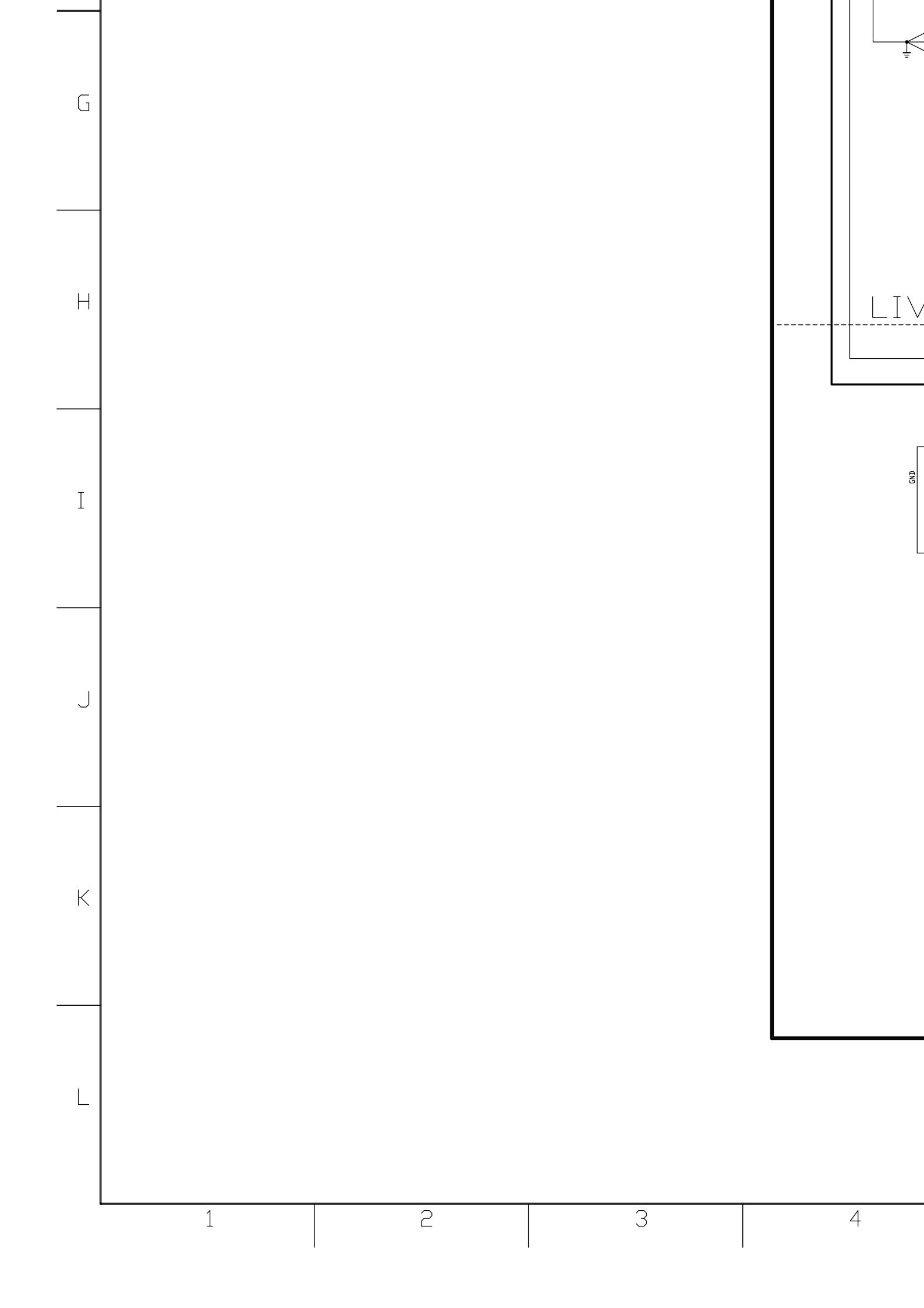
R UNIT

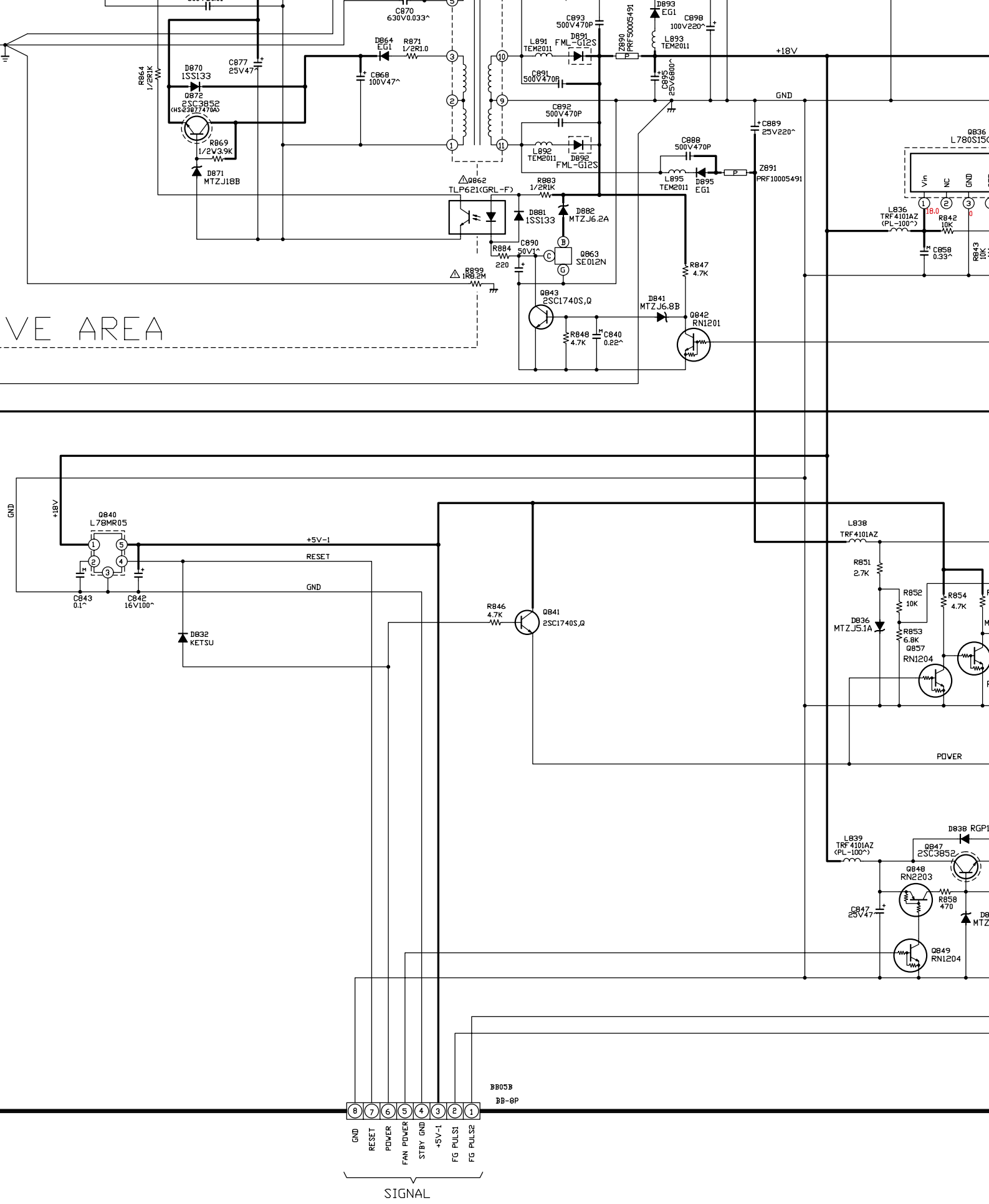

T801 TRF3229AQ(RA) TRF3229AL(RB)
T802 TRF3229AQ(RA) TRF3229AL(RB)
D899 TNR15G471K
C801 AC275V0.22^
C802 KETSU
C812 AC250V680P
C811 AC250V680P
R811 7W4.7
R812 2W1.8
SR82 23146564
D801 RBV606
R820 1R1.0
D820 1S1832
G821 1S1832
C820 50V4.7^
C823 450V4.7^


Q801 STR-Z4202A
VIN GND DT CT CONT Fmin CSS CD VCC DRI VCC DC CDM OUT VB
330 0 5.3 4.7 16.8 4.7 1.3 0 125.0 120.0
D875 MTZJ12B
R862 1/2R22
D862 RGP10JL
C863 0.1^
L862 TEM2004
D873 MTZJ10B
C871 2KV1000P (B1)
D878 MTZJ27C
R867 100K
C862 T680P(2%)
R868 68K
R863 KETSU
C865 0.47^
C866 200V2.2^
C873 0.22^
C867 6800P
D872 MTZJ4.7B
D876 MTZJ27C
C876 0.1^
C864 2KV1000P (B1)
L861 TEM2011
R861 2R150K
R872 1P330K
Z860 PRF25005491
C860 500V80.01^
R870 1/2R130
C874 2KV180P (B1)
R865 1/2R47
C870 630V0.033^
T862 TPW3402AS
C885 500V470P
L885 TEM2011
D885 FMX-12S
L887 TLN3312D Audio Vcc
C887 50V3300^
Z889 PRF40005491
L888 TLN3312D Audio GND
L886 TEM2011
C899 KETSU
C886 500V470P
C897 50V1000^
Z892 PRF12505491
L894 TEM2011
D894 EG1
C894 500V470P
R896 1R3.9K
TUNER+32V
D893 EG1
C898

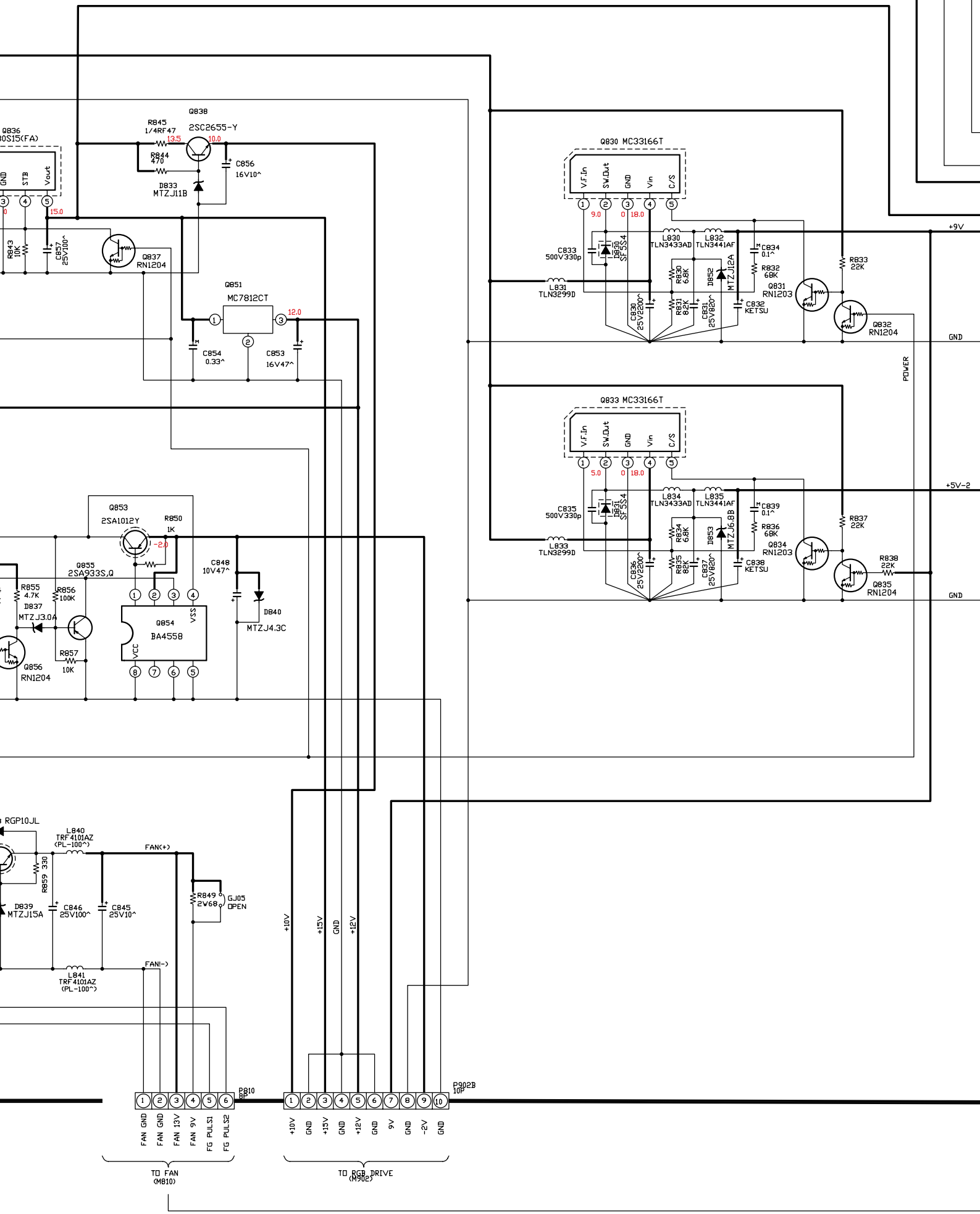

C805
AC250V4700
C807
AC250V4700
R825
1/2R4.7
C821
630V0.033^
C822
0.047
GATE
T1
T2
Q820
STR03145A
DELAY
COMMON
A9UC/44A9UR
KETSU
C829
250V820^
R822
2R33K
L820
TLN3312D
R818
2R47K
R828
47K
Q823
2SA933S
D824
MTJ4.7A
R823
1M120K
(2R TAIOO)
R829
15K
D823
MTZJ6.8C
Q822
2SC1740S
C828
250V820^
R824
3.3K
GJ01
KETSU
R826
1K
C826
16V10^
R827
3.3K
R819
330
R821
330
C824
0.1
D821
SF5J42
(SHORT TAIOO)


13
14
15
16
A
B
C
D
E
F
1
2
3
NC
-DC
P808A
3P 5mmP


LIV
GND
G
H
I
J
K
L
1
2
3
4

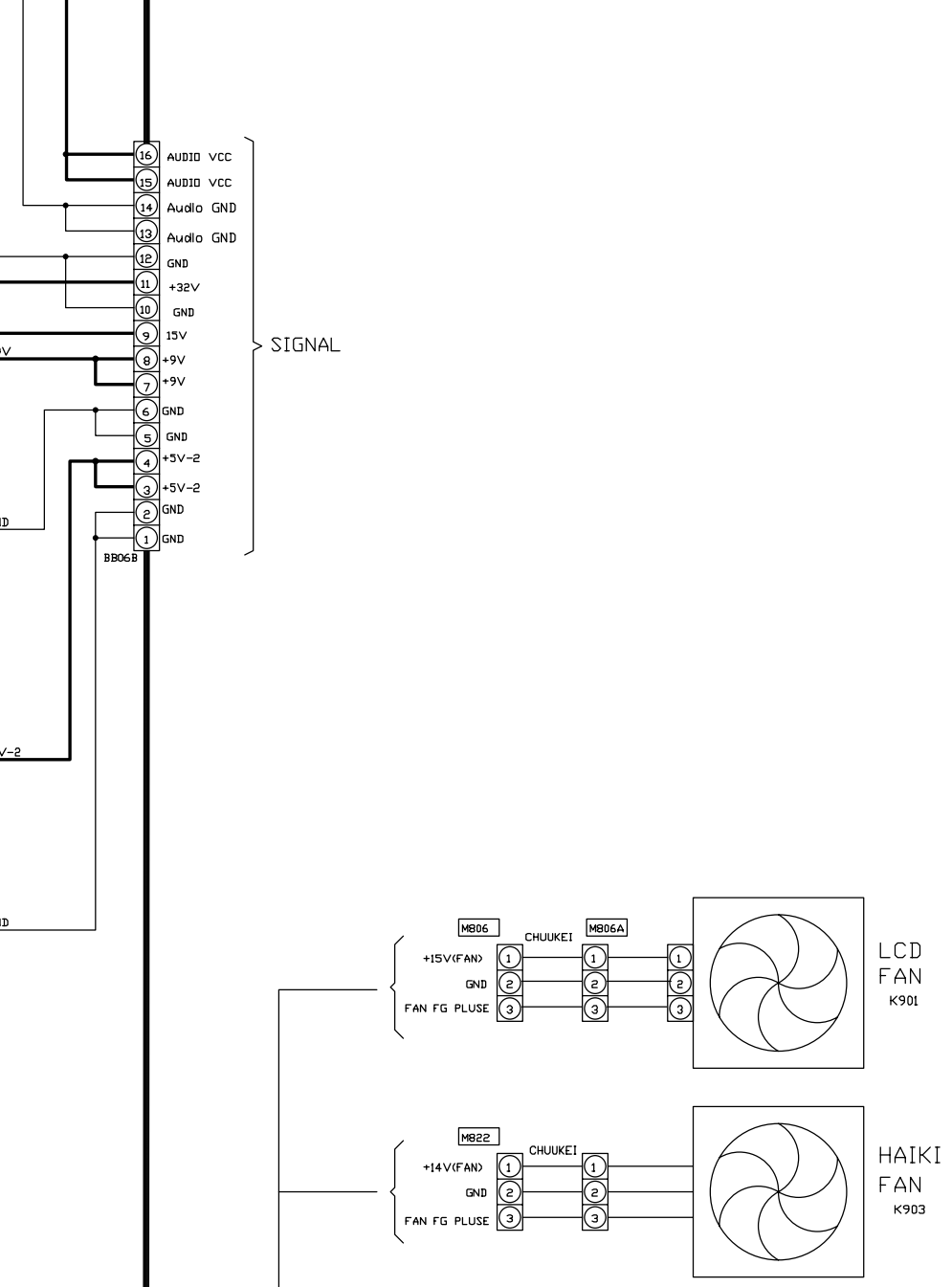


* KETSU means to open the circ



rcuit.

9	10	11	12



POWER
44A9UH
44A9UR

G H I J K L

13 14 15 16

PW UNIT BACK/AV

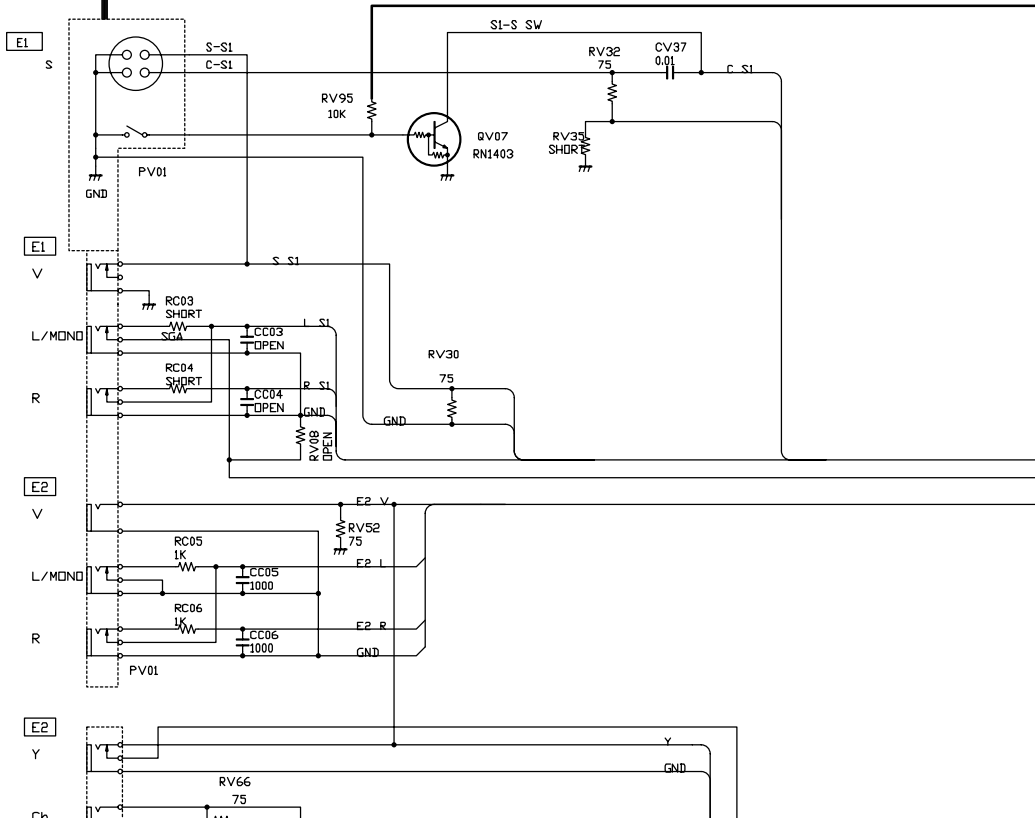
* Not apply for 44A9UH/44A9UR

*KETSU means to open the circuit.

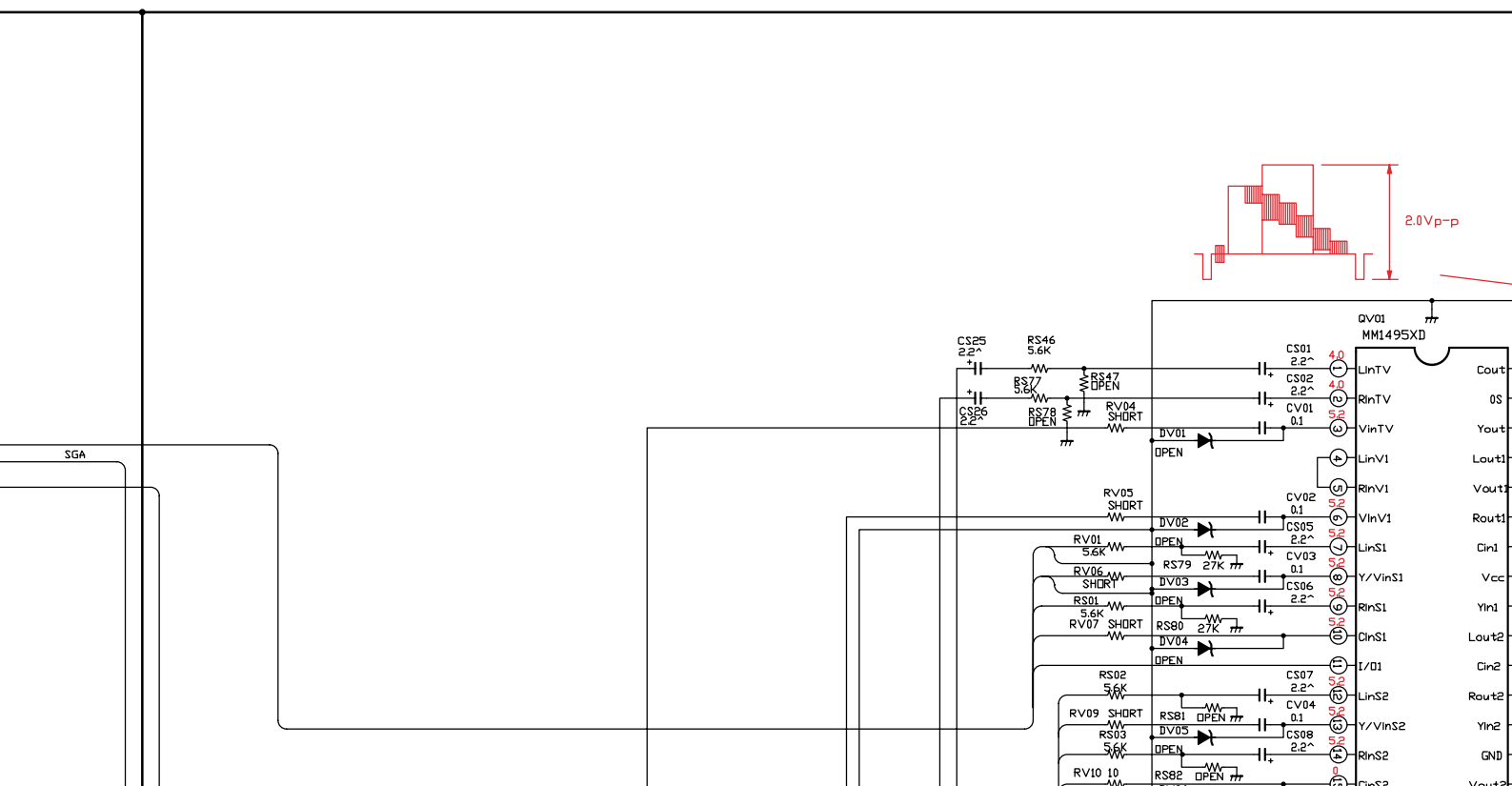
BACK/AV
44A9UC

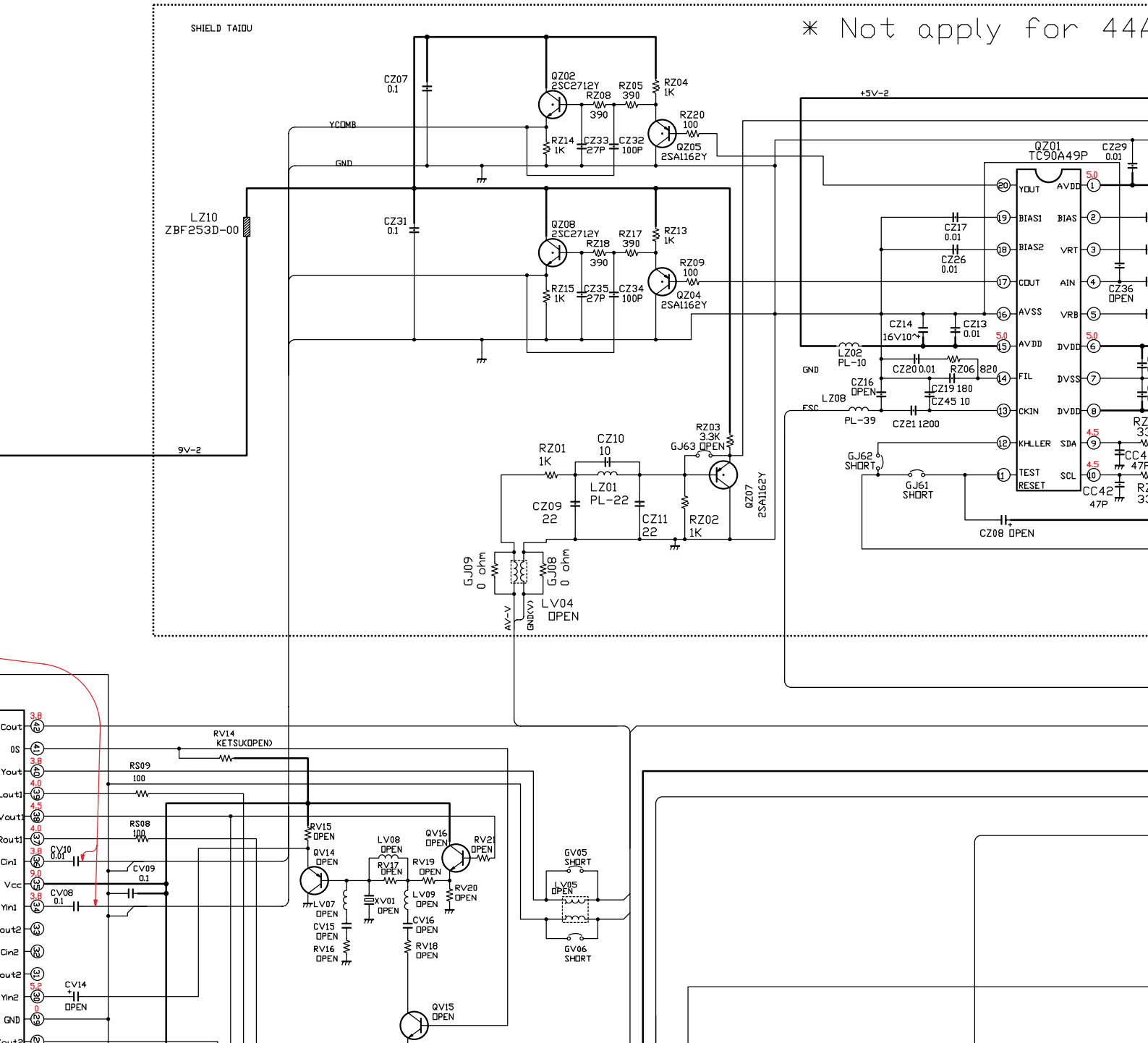
A B C D E F

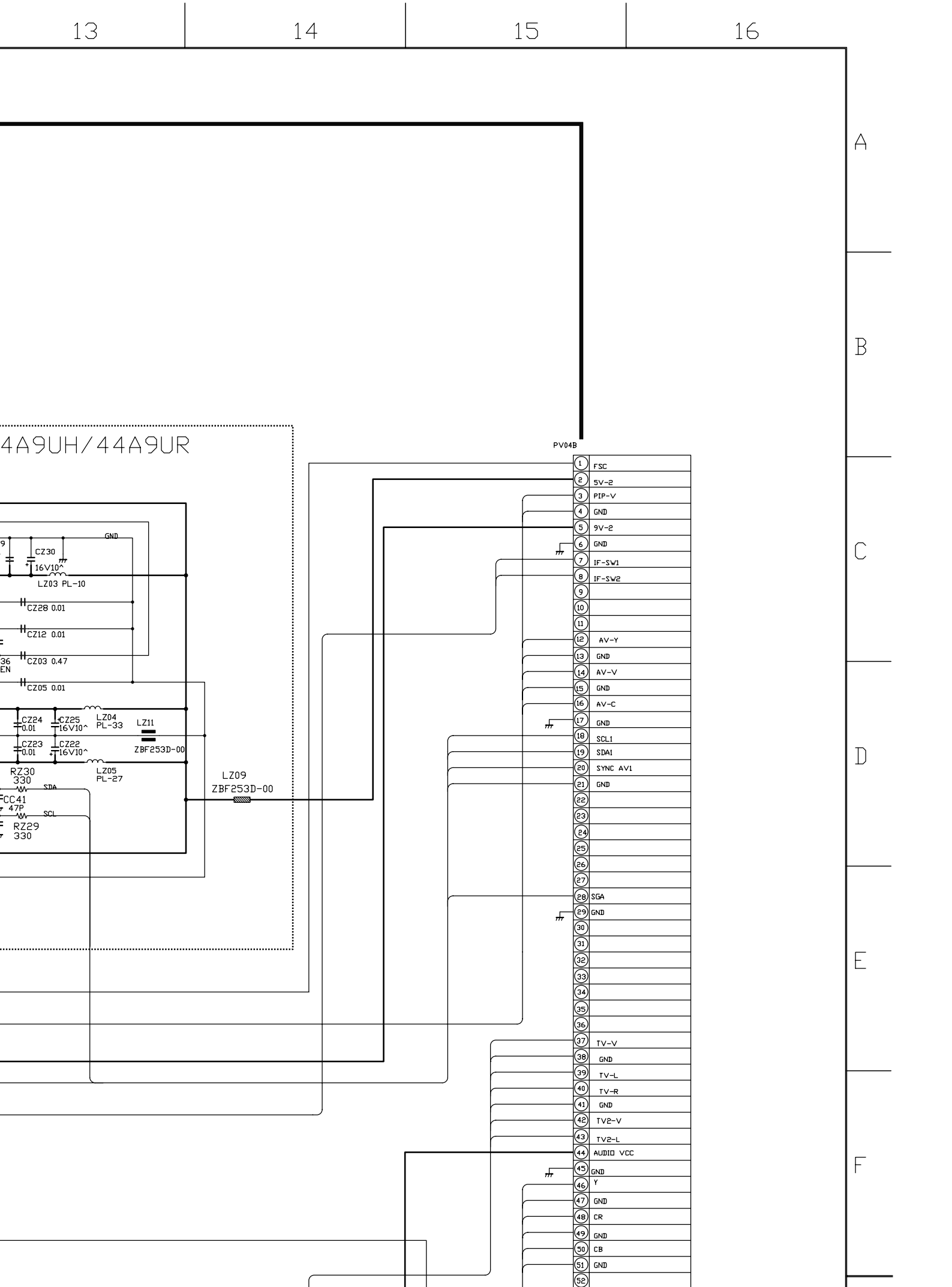
PW UNI

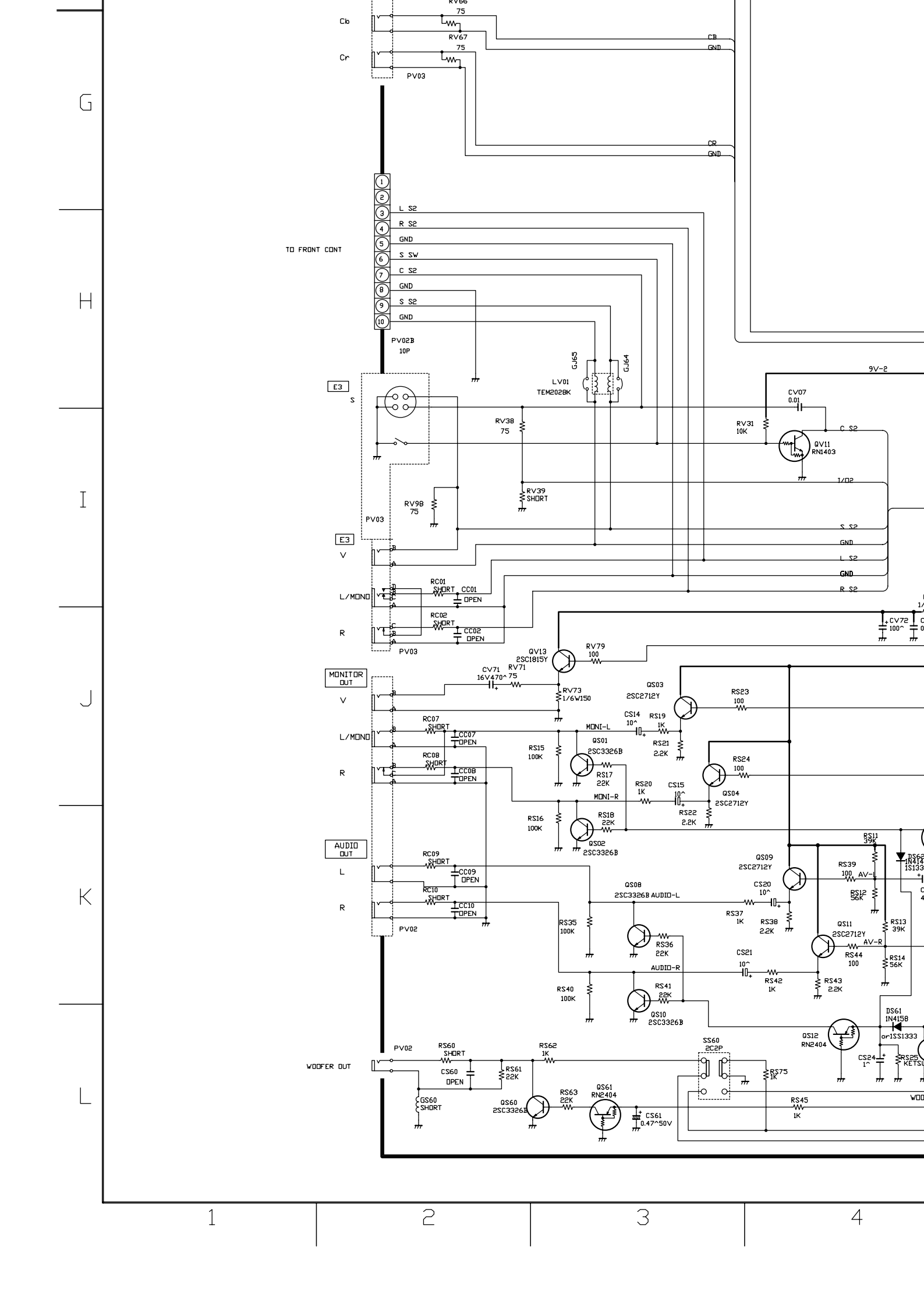


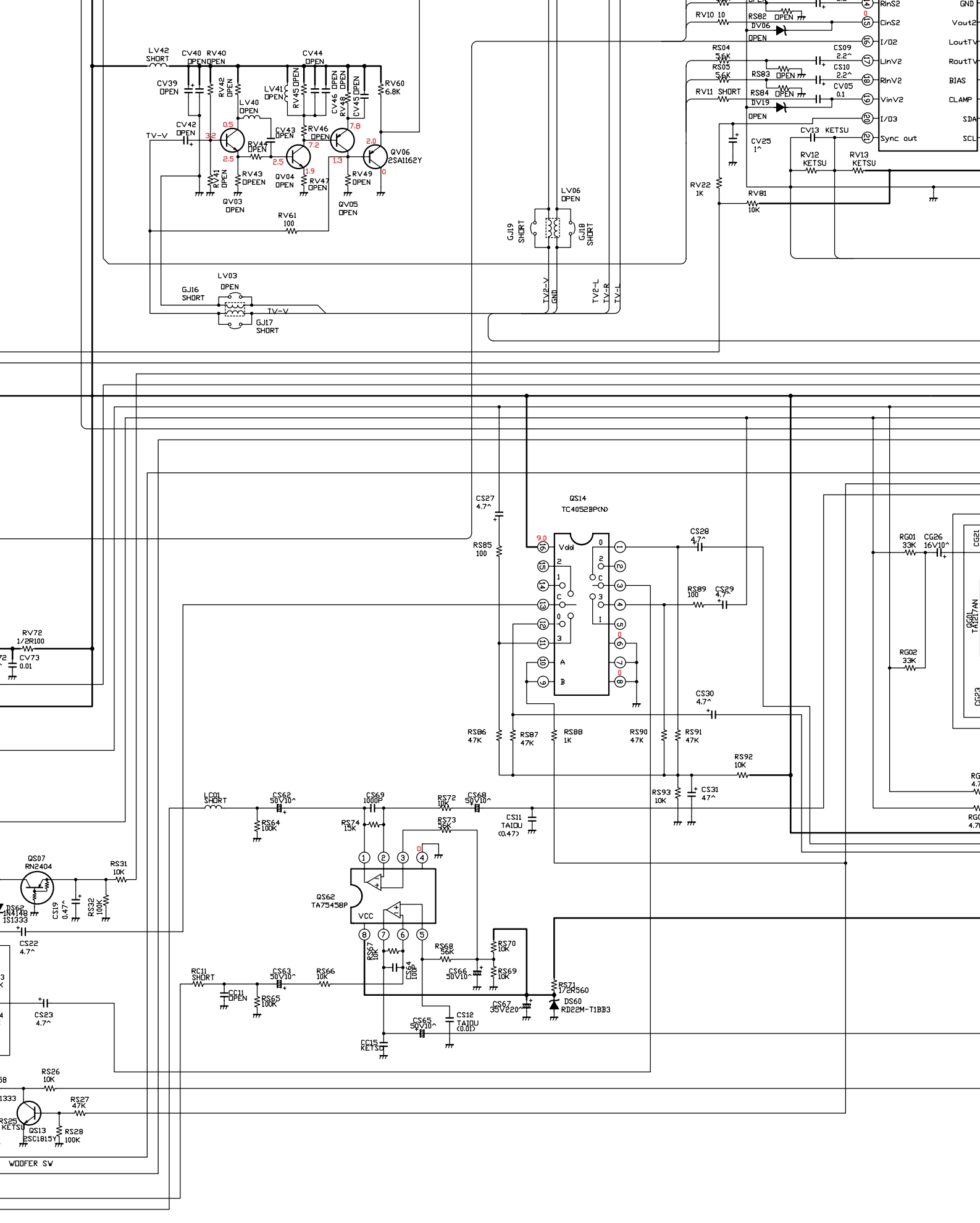
NIT BACK/AV

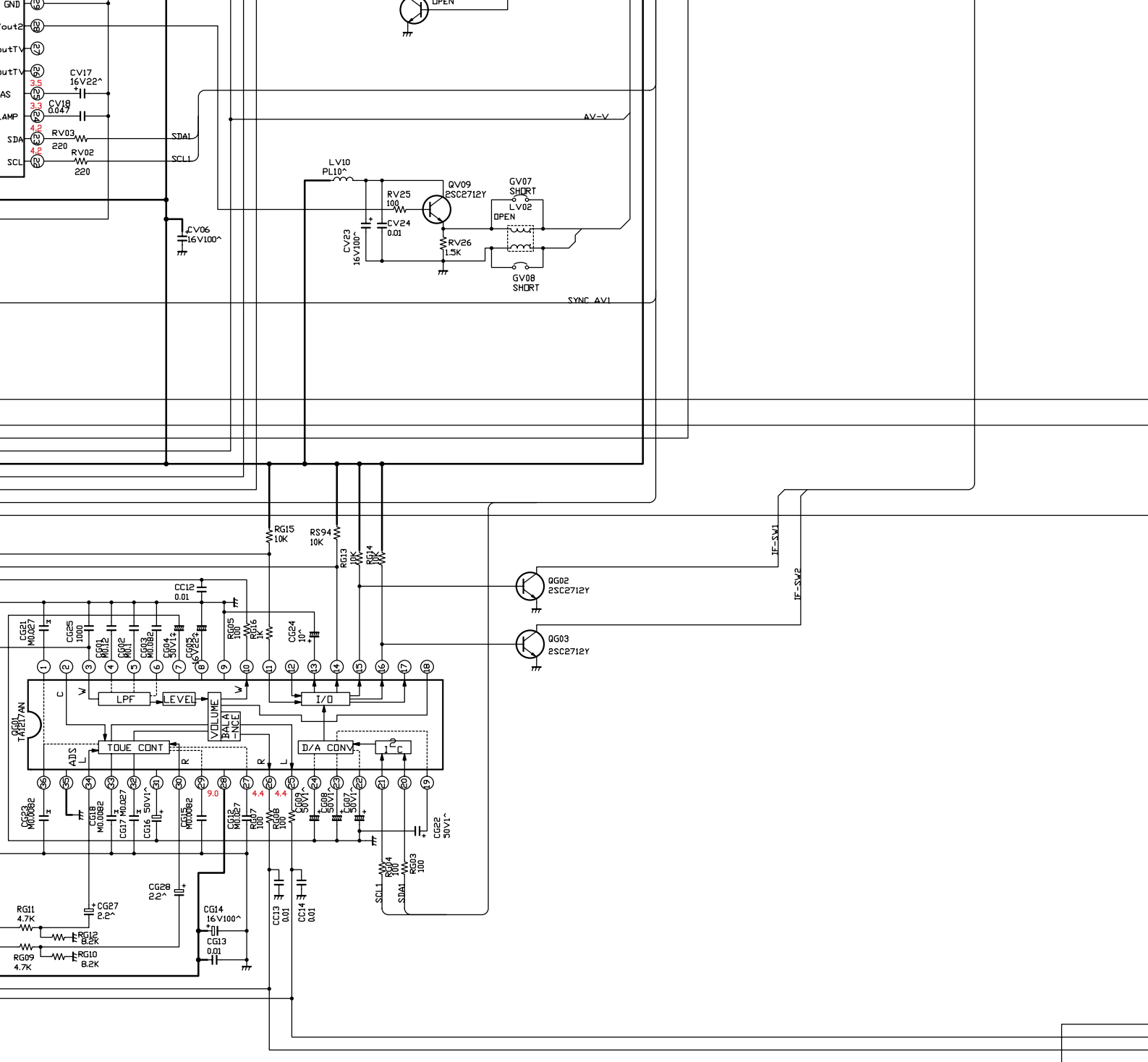

2.0Vp-p
QV01
MM1495XD
CS25 2.2^
RS46 5.6K
RS47 OPEN
RS77 5.6K
CS26 2.2^
RS78 OPEN
RV04 SHORT
DV01 OPEN
CS01 2.2^
CS02 2.2^
CV01 0.1
LinTV
RinTV
VinTV
LinV1
RinV1
VinV1
LinS1
Y/VinS1
RinS1
CinS1
I/O1
LinS2
Y/VinS2
RinS2
CinS2
Cout
OS
Yout
Lout1
Vout1
Rout1
Cin1
Vcc
Yin1
Lout2
Cin2
Rout2
Yin2
GND
Vout2
RV05 SHORT
DV02 OPEN
RV01 5.6K
RV06 SHORT
DV03 OPEN
RS01 5.6K
RV07 SHORT
DV04 OPEN
RS79 27K
RS80 27K
CV02 0.1
CS05 2.2^
CV03 0.1
CS06 2.2^
RS02 5.6K
RV09 SHORT
RS03 5.6K
RV10 10
DV05 OPEN
RS81 OPEN
RS82 OPEN
CS07 2.2^
CV04 0.1
CS08 2.2^
SGA

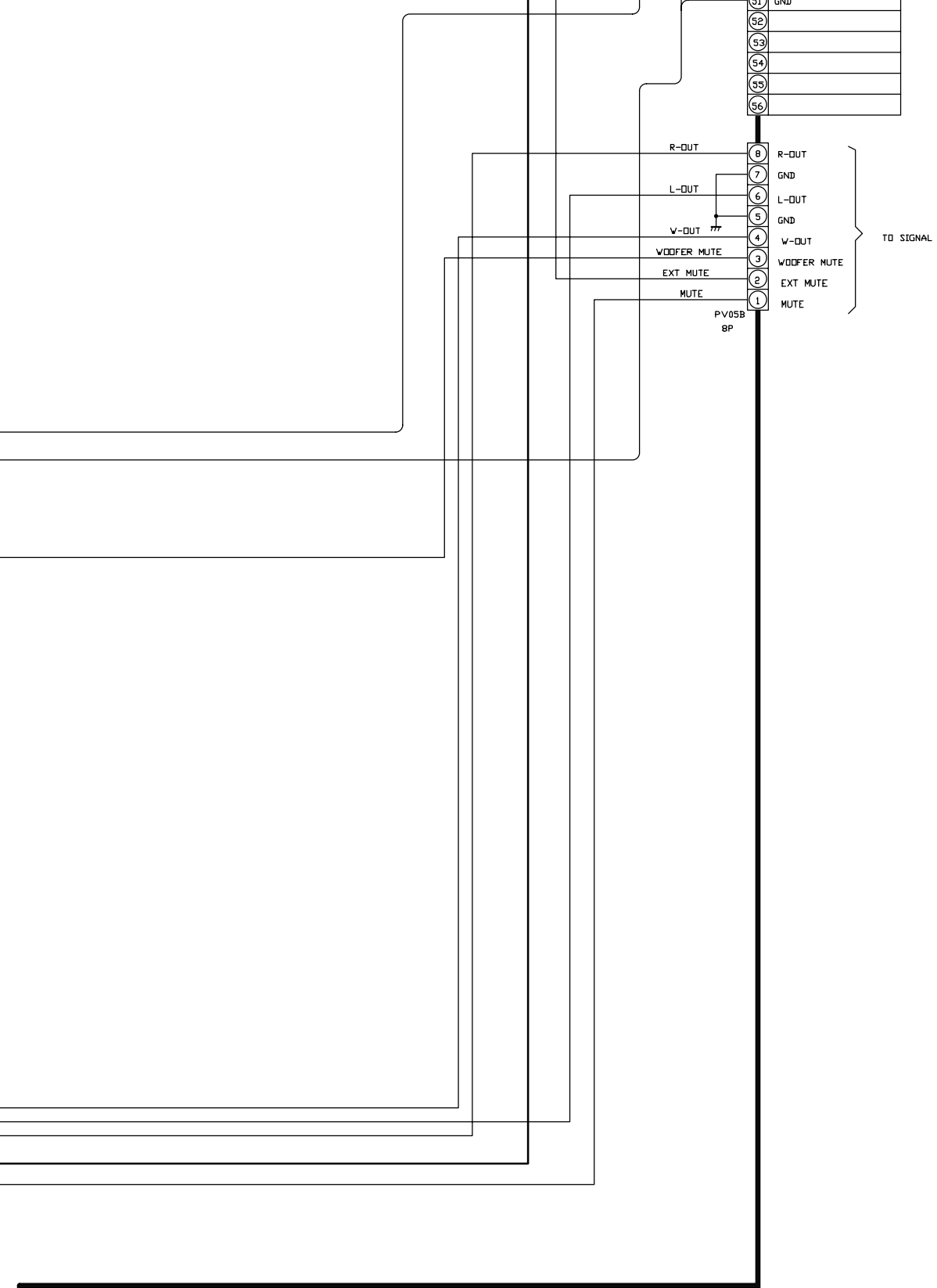

SHIELD TAIOU
* Not apply for 44A
CZ07 0.1
QZ02 2SC2712Y
RZ08 390
RZ05 390
RZ04 1K
RZ20 100
QZ05 2SA1162Y
RZ14 1K
CZ33 27P
CZ32 100P
YCOMB
GND
LZ10 ZBF253D-00
CZ31 0.1
QZ08 2SC2712Y
RZ18 390
RZ17 390
RZ13 1K
RZ09 100
QZ04 2SA1162Y
RZ15 1K
CZ35 27P
CZ34 100P
9V-2
+5V-2
QZ01 TC90A49P
CZ29 0.01
CZ17 0.01
CZ26 0.01
CZ36 OPEN
CZ14 16V10
CZ13 0.01
LZ02 PL-10
CZ20 0.01
RZ06 820
CZ16 OPEN
CZ19 180
CZ45 10
LZ08 PL-39
CZ21 1200
RZ01 1K
CZ10 10
LZ01 PL-22
CZ09 22
CZ11 22
RZ02 1K
RZ03 3.3K
GJ63 OPEN
QZ07 2SA1162Y
GJ62 SHORT
GJ61 SHORT
CC42 47P
CC4 47P
CZ08 OPEN
GJ09 0 ohm
GJ08 0 ohm
AV-V
GND(V)
LV04 OPEN
YOUT
BIAS1
BIAS2
COUT
AVSS
AVDD
FIL
CKIN
KHLLER
TEST RESET
AVDD
BIAS
VRT
AIN
VRB
DVDD
DVSS
DVDD
SDA
SCL
Cout
OS
Yout
Lout1
Vout1
Rout1
Cin1
Vcc
Yin1
out2
Cin2
out2
Yin2
GND
RV14 KETSUK(OPEN)
RS09 100
RS08 100
CV10 0.01
CV09 0.1
CV08 0.1
CV14 OPEN
RV15 OPEN
QV14 OPEN
LV07 OPEN
CV15 OPEN
RV16 OPEN
LV08 OPEN
QV16 OPEN
RV21 OPEN
RV17 OPEN
RV19 OPEN
XV01 OPEN
LV09 OPEN
RV20 OPEN
CV16 OPEN
RV18 OPEN
QV15 OPEN
GV05 SHORT
LV05 OPEN
GV06 SHORT


13
14
15
16
A
B
C
D
E
F
4A9UH/44A9UR
PV04B
1 FSC
2 5V-2
3 PIP-V
4 GND
5 9V-2
6 GND
7 IF-SW1
8 IF-SW2
9
10
11
12 AV-Y
13 GND
14 AV-V
15 GND
16 AV-C
17 GND
18 SCL1
19 SDA1
20 SYNC AV1
21 GND
22
23
24
25
26
27
28 SGA
29 GND
30
31
32
33
34
35
36
37 TV-V
38 GND
39 TV-L
40 TV-R
41 GND
42 TV2-V
43 TV2-L
44 AUDIO VCC
45 GND
46 Y
47 GND
48 CR
49 GND
50 CB
51 GND
52
GND
CZ30
16V10^
LZ03 PL-10
CZ28 0.01
CZ12 0.01
CZ03 0.47
CZ05 0.01
CZ24
0.01
CZ25
16V10^
LZ04
PL-33
LZ11
ZBF253D-00
CZ23
0.01
CZ22
16V10^
LZ05
PL-27
RZ30
330
SDA
CC41
47P
SCL
RZ29
330
LZ09
ZBF253D-00


Cb
Cr
RV66
75
RV67
75
PV03
CB
GND
CR
GND
TO FRONT CONT
L S2
R S2
GND
S SW
C S2
GND
S S2
GND
PV02B
10P
GJ65
GJ64
LV01
TEM2028K
E3
S
RV38
75
RV39
SHORT
RV98
75
RV31
10K
CV07
0.01
QV11
RN1403
C S2
9V-2
S S2
GND
L S2
GND
R S2
E3
V
L/MONO
R
RC01
SHORT
CC01
OPEN
RC02
SHORT
CC02
OPEN
PV03
CV72
100^
QV13
2SC1815Y
RV79
100
MONITOR
OUT
V
L/MONO
R
CV71
16V470^
RV71
75
RV73
1/6W150
RC07
SHORT
CC07
OPEN
RC08
SHORT
CC08
OPEN
MONI-L
MONI-R
QS01
2SC3326B
QS02
2SC3326B
QS03
2SC2712Y
QS04
2SC2712Y
RS15
100K
RS16
100K
RS17
22K
RS18
22K
CS14
10^
RS19
1K
RS21
2.2K
RS20
1K
CS15
10^
RS22
2.2K
RS23
100
RS24
100
AUDIO
OUT
L
R
RC09
SHORT
CC09
OPEN
RC10
SHORT
CC10
OPEN
PV02
QS08
2SC3326B
AUDIO-L
QS09
2SC2712Y
QS10
2SC3326B
QS11
2SC2712Y
RS35
100K
RS36
22K
RS37
1K
RS38
2.2K
CS20
10^
RS39
100
AV-L
RS40
100K
RS41
22K
AUDIO-R
CS21
10^
RS42
1K
RS43
2.2K
RS44
100
AV-R
RS11
39K
RS12
56K
RS13
39K
RS14
56K
DS61
1N4158
or1SS1333
QS12
RN2404
WOOFER OUT
PV02
RS60
SHORT
CS60
OPEN
GS60
SHORT
RS61
22K
RS62
1K
QS60
2SC3326B
RS63
22K
QS61
RN2404
CS61
0.47^50V
SS60
2C2P
RS75
1K
RS45
1K
CS24
1^
RS25
KETSU


LV42 SHORT
CV40 OPEN
RV40 OPEN
CV44 OPEN
CV39 OPEN
RV42 OPEN
LV41 OPEN
RV45 OPEN
CV46 OPEN
RV48 OPEN
CV45 OPEN
RV60 6.8K
LV40 OPEN
CV42 OPEN
TV-V
CV43 OPEN
RV46 OPEN
RV44 OPEN
RV41 OPEN
RV43 OPEEN
QV04 OPEN
RV47 OPEN
RV49 OPEN
QV06 2SA1162Y
QV03 OPEN
QV05 OPEN
RV61 100
LV03 OPEN
GJ16 SHORT
GJ17 SHORT
LV06 OPEN
GJ19 SHORT
GJ18 SHORT
TV2-V
GND
TV2-L
TV-R
TV-L
RV10 10
RS82 OPEN
DV06 OPEN
RS04 5.6K
RS05 5.6K
RS83 OPEN
RS84 OPEN
DV19 OPEN
RV11 SHORT
CS09 2.2^
CS10 2.2^
CV05 0.1
CV25 1^
CV13 KETSU
RV12 KETSU
RV13 KETSU
RV22 1K
RV81 10K
RinS2
CinS2
I/O2
LinV2
RinV2
VinV2
I/O3
Sync out
GND
Vout2
LoutTV
RoutTV
BIAS
CLAMP
SDA
SCL
CS27 4.7^
QS14 TC4052BP(N)
RS85 100
Vdd
CS28 4.7^
RS89 100
CS29 4.7^
RG01 33K
CG26 16V10^
RG02 33K
CS30 4.7^
RS86 47K
RS87 47K
RS88 1K
RS90 47K
RS91 47K
RS92 10K
RS93 10K
CS31 47^
RV72 1/2R100
CV73 0.01
LC01 SHORT
CS62 50V10^
CS69 1000P
RS72 10K
CS68 50V10^
RS64 100K
RS74 15K
RS73 56K
CS11 TAIDU (0.47)
QS07 RN2404
RS31 10K
QS62 TA75458P
VCC
RS62 1N4148 1S1333
CS19 0.47^
RS32 100K
CS22 4.7^
RS67 10K
RS68 56K
RS70 10K
RC11 SHORT
CS63 50V10^
RS66 10K
CC11 OPEN
RS65 100K
CS66 50V10^
RS69 10K
RS71 1/2R560
DS60 RD22M-T1BB3
CS67 35V220^
CS65 50V10^
CS12 TAIDU (0.01)
CC15 KETSU
CS23 4.7^
RS26 10K
RS27 47K
RS25 KETSU
QS13 2SC1815Y
RS28 100K
WOOFER SW


GND
Vout2
outTV
outTV
AS
LAMP
SDA
SCL
CV17
16V22^
CV18
0.047
RV03
220
RV02
220
SDA1
SCL1
AV-V
LV10
PL10^
QV09
2SC2712Y
RV25
100
CV24
0.01
CV23
16V100^
RV26
1.5K
GV07
SHORT
LV02
OPEN
GV08
SHORT
CV06
16V100^
SYNC AV1
RG15
10K
RS94
10K
RG13
10K
RG14
10K
IF-SW1
IF-SW2
QG02
2SC2712Y
QG03
2SC2712Y
CC12
0.01
CG21
MD027
CG25
1000
CG01
MD12
CG02
MD27
CG03
MD082
CG04
50V1^
CG22
6V22^
RG05
100
RG16
1K
CG24
10^
LPF
LEVEL
VOLUME
BALANCE
I/O
TONE CONT
D/A CONV
I2C
ADJ
L
R
QG01
TA2147AN
CG23
MD082
CG18
MD082
CG17
MD027
CG16
50V1^
CG15
MD082
9.0
CG12
MD027
RG07
100
RG08
100
CG09
50V1^
CG08
50V1^
CG07
50V1^
4.4
4.4
CG22
50V1^
RG04
100
RG03
100
SCL1
SDA1
CG28
2.2^
CG27
2.2^
RG11
4.7K
RG12
8.2K
RG09
4.7K
RG10
8.2K
CG14
16V100^
CG13
0.01
CC13
0.01
CC14
0.01



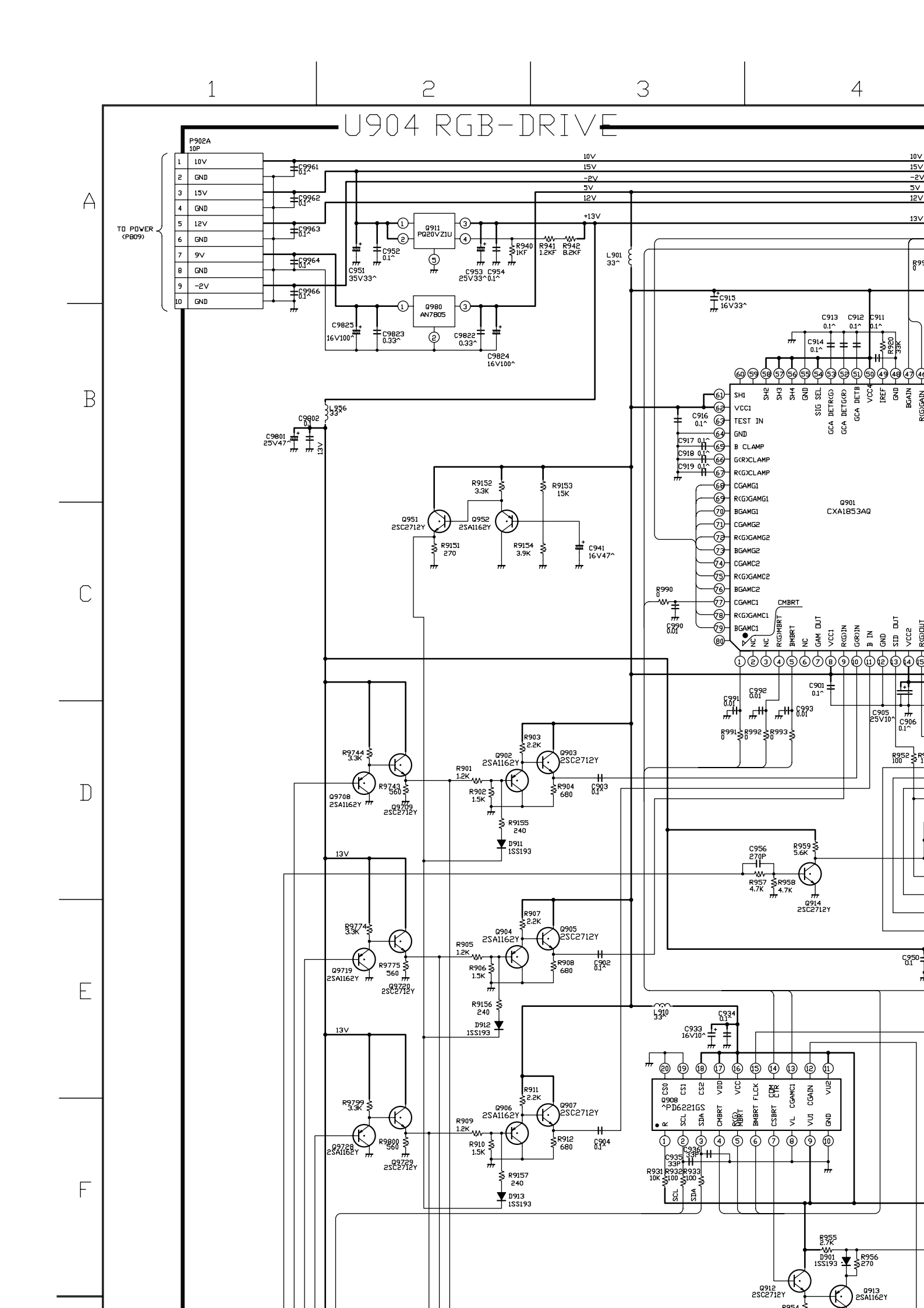
*KETSU means to open the circuit.

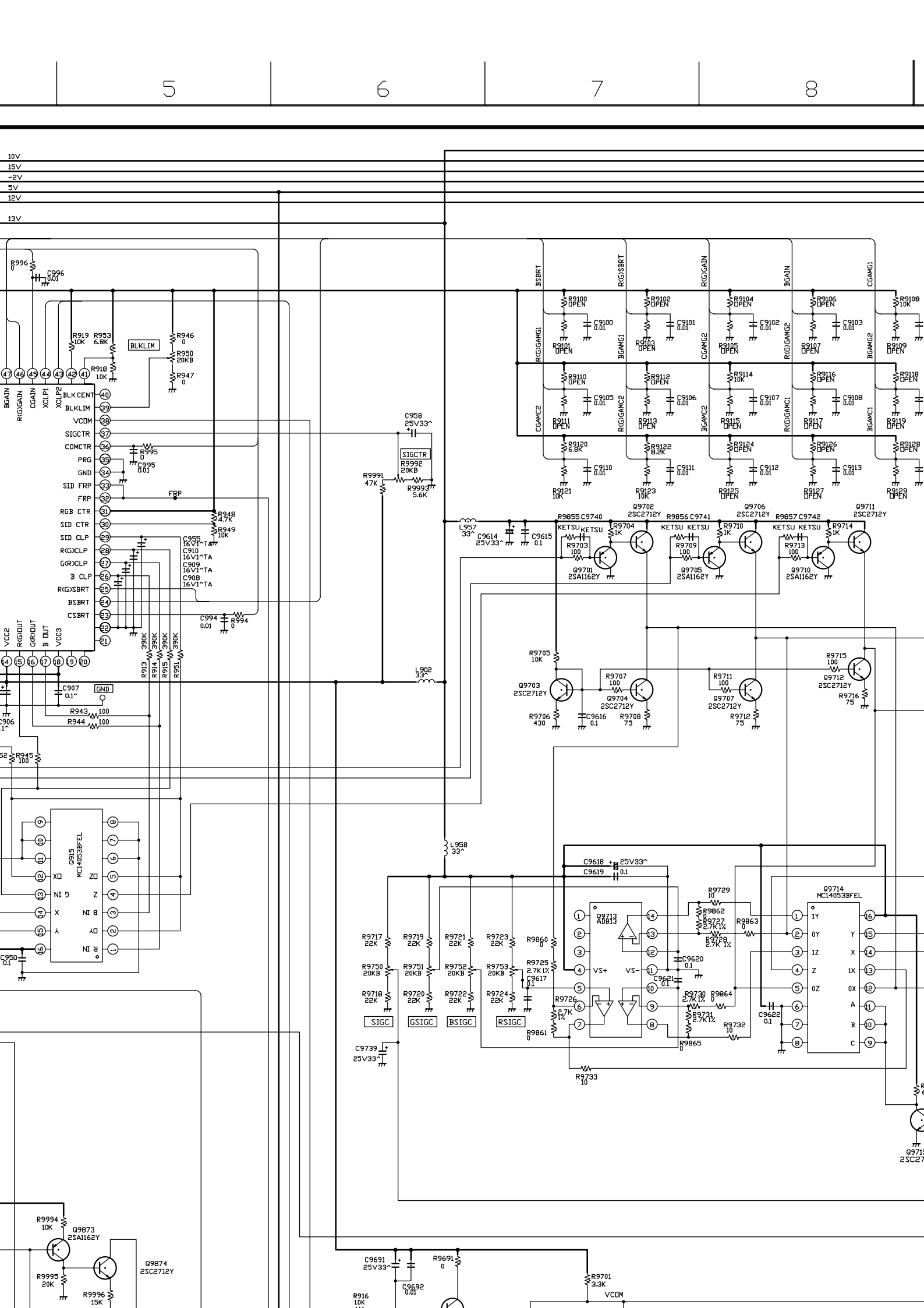
BACK/AV
44A9UC

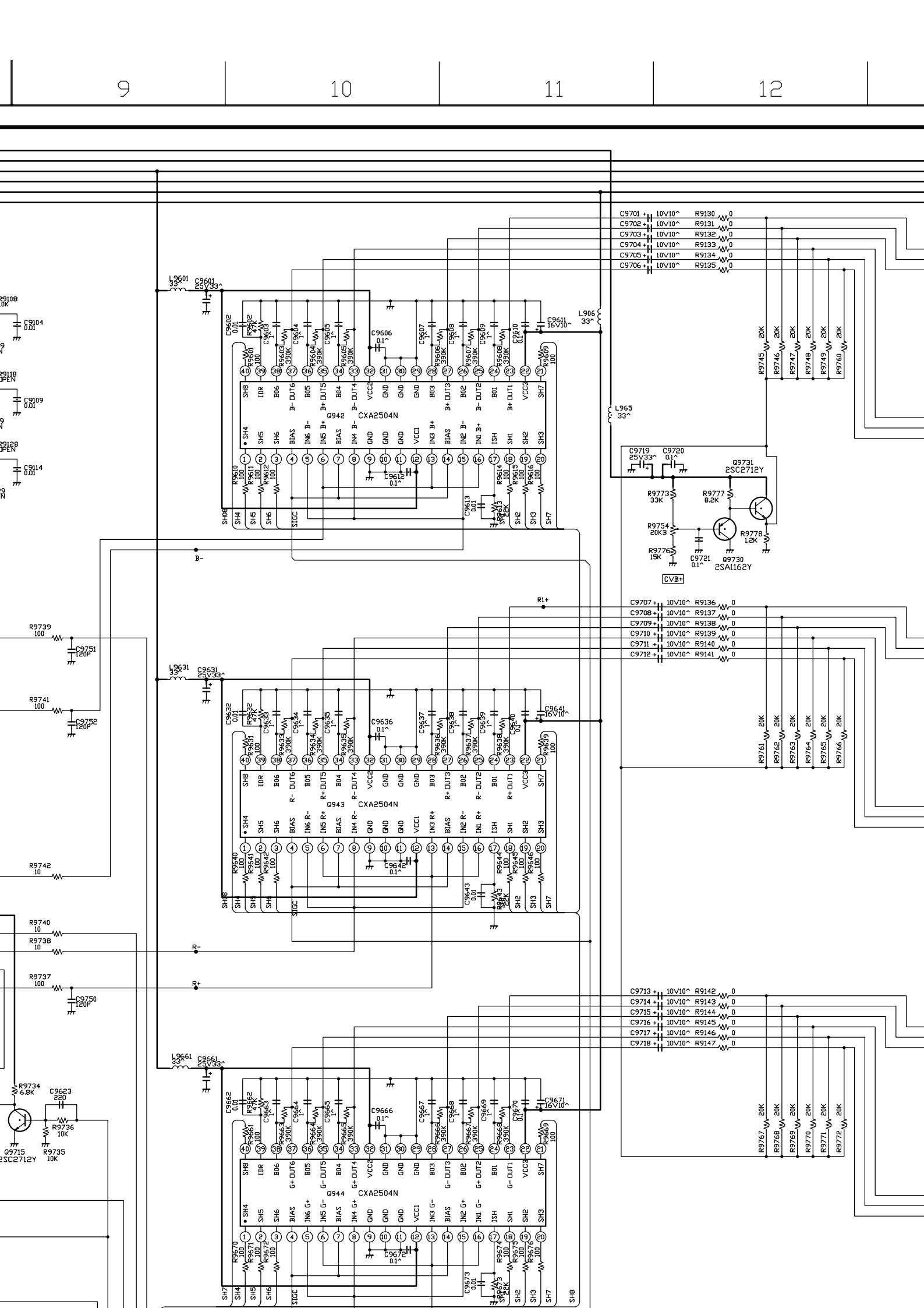
G H I J K L

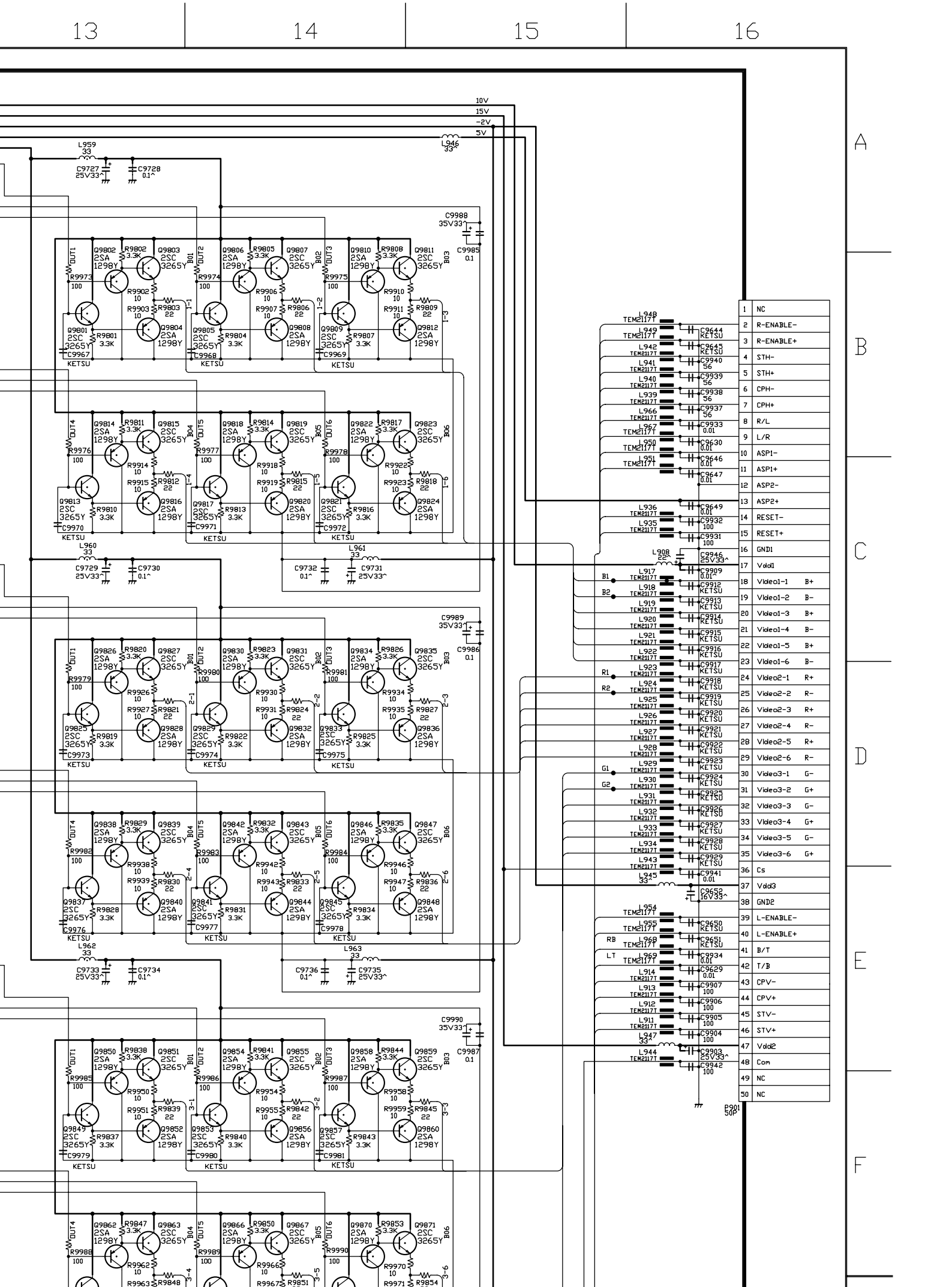
13 14 15 16

U904 RGB-DRIVE
TO POWER (P809)
TO JUSIN
TO MICON
Q901 CXA1853AQ
Q915 MC14053BFEL
Q908 μPD6221GS
Q9713 AD813
Q9714 MC14053BFEL
Q942 CXA2504N
Q943 CXA2504N
Q944 CXA2504N
Q702 TC190G06AF
Q700 TLC2932
Q701 MC33078DR2
Q703 PST523
Q704 TC74HC10AF
Q705 TC74AC00F
Q706 TC74AC74F
Q707 TC74HC393AF
Q708 TC74HC688AF
Q710 TC7S08F
Q711 TC7S86F
Q712 TC74AC574F
Q911 PQ20VZ1U
Q980 AN7805
P901 50P
SHIELD CASE
* KETSU means to open the circuit.
RGB DRIVE
44A9UH
44A9UR


U904 RGB-DRIVE
P902A
10P
TO POWER (PB09)
10V
GND
15V
GND
12V
GND
9V
GND
-2V
GND
Q911 PQ20VZ1U
Q980 AN7805
+13V
L901 33^
C915 16V33^
Q901 CXA1853AQ
SH1
VCC1
TEST IN
GND
B CLAMP
G(R)XCLAMP
R(G)XCLAMP
CGAMG1
R(G)XGAMG1
BGAMG1
CGAMG2
R(G)XGAMG2
BGAMG2
CGAMC2
R(G)XGAMC2
BGAMC2
CGAMC1
R(G)XGAMC1
BGAMC1
CMBRT
Q951 2SC2712Y
Q952 2SA1162Y
Q902 2SA1162Y
Q903 2SC2712Y
Q904 2SA1162Y
Q905 2SC2712Y
Q906 2SA1162Y
Q907 2SC2712Y
Q908 ^PD6221GS
Q912 2SC2712Y
Q913 2SA1162Y
Q914 2SC2712Y
D901 1SS193
D911 1SS193
D912 1SS193
D913 1SS193
13V


5
6
7
8
10V
15V
-2V
5V
12V
13V
R996
C996 0.01
R919 10K
R953 6.8K
R918 10K
BLKLIM
R946 0
R950 20KB
R947 0
BGAIN
R(G)GAIN
CGAIN
XCLP1
XCLP2
BLK CENT
BLKLIM
VCOM
SIGCTR
COMCTR
PRG
GND
SID FRP
FRP
RGB CTR
SID CTR
SID CLP
R(G)CLP
G(R)CLP
B CLP
R(G)SBRT
BSBRT
CSBRT
VCC2
R(G)OUT
G(R)OUT
B OUT
VCC3
R995 0
C995 0.01
R948 4.7K
R949 10K
C955 16V1^TA
C910 16V1^TA
C909 16V1^TA
C908 16V1^TA
C994 0.01
R994 0
R913 390K
R914 390K
R915 390K
R951 390K
C907 0.1^
GND
R943 100
R944 100
R945 100
C906 .1^
C950 0.1
Q915 MC14053BFEL
C958 25V33^
SIGCTR
R9992 20KB
R9991 47K
R9993 5.6K
L957 33^
C9614 25V33^
C9615 0.1
L902 33^
L958 33^
R9100 OPEN
R9102 OPEN
R9104 OPEN
R9106 OPEN
R9108 10K
C9100 0.01
C9101 0.01
C9102 0.01
C9103 0.01
R9101 OPEN
R9103 OPEN
R9105 OPEN
R9107 OPEN
R9109 OPEN
R9110 OPEN
R9112 OPEN
R9114 10K
R9116 OPEN
R9118 OPEN
C9105 0.01
C9106 0.01
C9107 0.01
C9108 0.01
R9111 OPEN
R9113 OPEN
R9115 OPEN
R9117 OPEN
R9119 OPEN
R9120 6.8K
R9122 8.2K
R9124 OPEN
R9126 OPEN
R9128 OPEN
C9110 0.01
C9111 0.01
C9112 0.01
C9113 0.01
R9121 10K
R9123 10K
R9125 OPEN
R9127 OPEN
R9129 OPEN
Q9702 2SC2712Y
Q9706 2SC2712Y
Q9711 2SC2712Y
R9855 KETSU
C9740 KETSU
R9704 1K
R9856 KETSU
C9741 KETSU
R9710 1K
R9857 KETSU
C9742 KETSU
R9714 1K
R9703 100
R9709 100
R9713 100
Q9701 2SA1162Y
Q9705 2SA1162Y
Q9710 2SA1162Y
R9705 10K
R9707 100
R9711 100
R9715 100
Q9703 2SC2712Y
Q9704 2SC2712Y
Q9707 2SC2712Y
Q9712 2SC2712Y
R9706 430
C9616 0.1
R9708 75
R9712 75
R9716 75
C9618 25V33^
C9619 0.1
Q9713 AD813
R9729 10
R9862 0
R9727 2.7K1%
R9728 2.7K1%
R9863 0
Q9714 MC14053BFEL
R9717 22K
R9719 22K
R9721 22K
R9723 22K
R9860 0
R9750 20KB
R9751 20KB
R9752 20KB
R9753 20KB
R9725 2.7K1%
C9617 0.1
R9718 22K
R9720 22K
R9722 22K
R9724 22K
SIGC
GSIGC
BSIGC
RSIGC
R9726 2.7K1%
R9861 0
C9620 0.1
C9621 0.1
R9730 2.7K1%
R9864 0
R9731 2.7K1%
R9732 10
R9865 0
C9622 0.1
C9739 25V33^
R9733 10
R9994 10K
Q9873 2SA1162Y
Q9874 2SC2712Y
R9995 20K
R9996 15K
C9691 25V33^
R9691 0
C9692 0.01
R916 10K
R9701 3.3K
VCOM


9
10
11
12
Q942 CXA2504N
Q943 CXA2504N
Q944 CXA2504N
Q9731 2SC2712Y
Q9730 2SA1162Y
Q9715 2SC2712Y
CVB+
B-
R-
R+
R1+


13
14
15
16
A
B
C
D
E
F
10V
15V
-2V
5V
L959 33
C9727 25V33^
C9728 0.1^
L946 33^
C9988 35V33^
C9985 0.1
Q9802 2SA 1298Y
Q9803 2SC 3265Y
Q9806 2SA 1298Y
Q9805 2SC 3265Y
Q9807 2SC 3265Y
Q9810 2SA 1298Y
Q9808 2SA 1298Y
Q9811 2SC 3265Y
Q9801 2SC 3265Y
Q9804 2SA 1298Y
Q9809 2SC 3265Y
Q9812 2SA 1298Y
C9967 KETSU
C9968 KETSU
C9969 KETSU
Q9814 2SA 1298Y
Q9815 2SC 3265Y
Q9818 2SA 1298Y
Q9819 2SC 3265Y
Q9822 2SA 1298Y
Q9823 2SC 3265Y
Q9813 2SC 3265Y
Q9816 2SA 1298Y
Q9817 2SC 3265Y
Q9820 2SA 1298Y
Q9821 2SC 3265Y
Q9824 2SA 1298Y
C9970 KETSU
C9971 KETSU
C9972 KETSU
L960 33
C9729 25V33^
C9730 0.1^
L961 33
C9732 0.1^
C9731 25V33^
C9989 35V33^
C9986 0.1
Q9826 2SA 1298Y
Q9827 2SC 3265Y
Q9830 2SA 1298Y
Q9831 2SC 3265Y
Q9834 2SA 1298Y
Q9835 2SC 3265Y
Q9825 2SC 3265Y
Q9828 2SA 1298Y
Q9829 2SC 3265Y
Q9832 2SA 1298Y
Q9833 2SC 3265Y
Q9836 2SA 1298Y
C9973 KETSU
C9974 KETSU
C9975 KETSU
Q9838 2SA 1298Y
Q9839 2SC 3265Y
Q9842 2SA 1298Y
Q9843 2SC 3265Y
Q9846 2SA 1298Y
Q9847 2SC 3265Y
Q9837 2SC 3265Y
Q9840 2SA 1298Y
Q9841 2SC 3265Y
Q9844 2SA 1298Y
Q9845 2SC 3265Y
Q9848 2SA 1298Y
C9976 KETSU
C9977 KETSU
C9978 KETSU
L962 33
C9733 25V33^
C9734 0.1^
L963 33
C9736 0.1^
C9735 25V33^
C9990 35V33^
C9987 0.1
Q9850 2SA 1298Y
Q9851 2SC 3265Y
Q9854 2SA 1298Y
Q9855 2SC 3265Y
Q9858 2SA 1298Y
Q9859 2SC 3265Y
Q9849 2SC 3265Y
Q9852 2SA 1298Y
Q9853 2SC 3265Y
Q9856 2SA 1298Y
Q9857 2SC 3265Y
Q9860 2SA 1298Y
C9979 KETSU
C9980 KETSU
C9981 KETSU
Q9862 2SA 1298Y
Q9863 2SC 3265Y
Q9866 2SA 1298Y
Q9867 2SC 3265Y
Q9870 2SA 1298Y
Q9871 2SC 3265Y
L948 TEM2117T
L949 TEM2117T
L942 TEM2117T
L941 TEM2117T
L940 TEM2117T
L939 TEM2117T
L966 TEM2117T
L967 TEM2117T
L950 TEM2117T
L951 TEM2117T
C9644 KETSU
C9645 KETSU
C9940 56
C9939 56
C9938 56
C9937 56
C9933 0.01
C9630 0.01
C9646 0.01
C9647 0.01
L936 TEM2117T
L935 TEM2117T
C9649 0.01
C9932 100
C9931 100
L908 22^
C9946 25V33^
C9909 0.01^
L917 TEM2117T
L918 TEM2117T
L919 TEM2117T
L920 TEM2117T
L921 TEM2117T
L922 TEM2117T
L923 TEM2117T
L924 TEM2117T
L925 TEM2117T
L926 TEM2117T
L927 TEM2117T
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L929 TEM2117T
L930 TEM2117T
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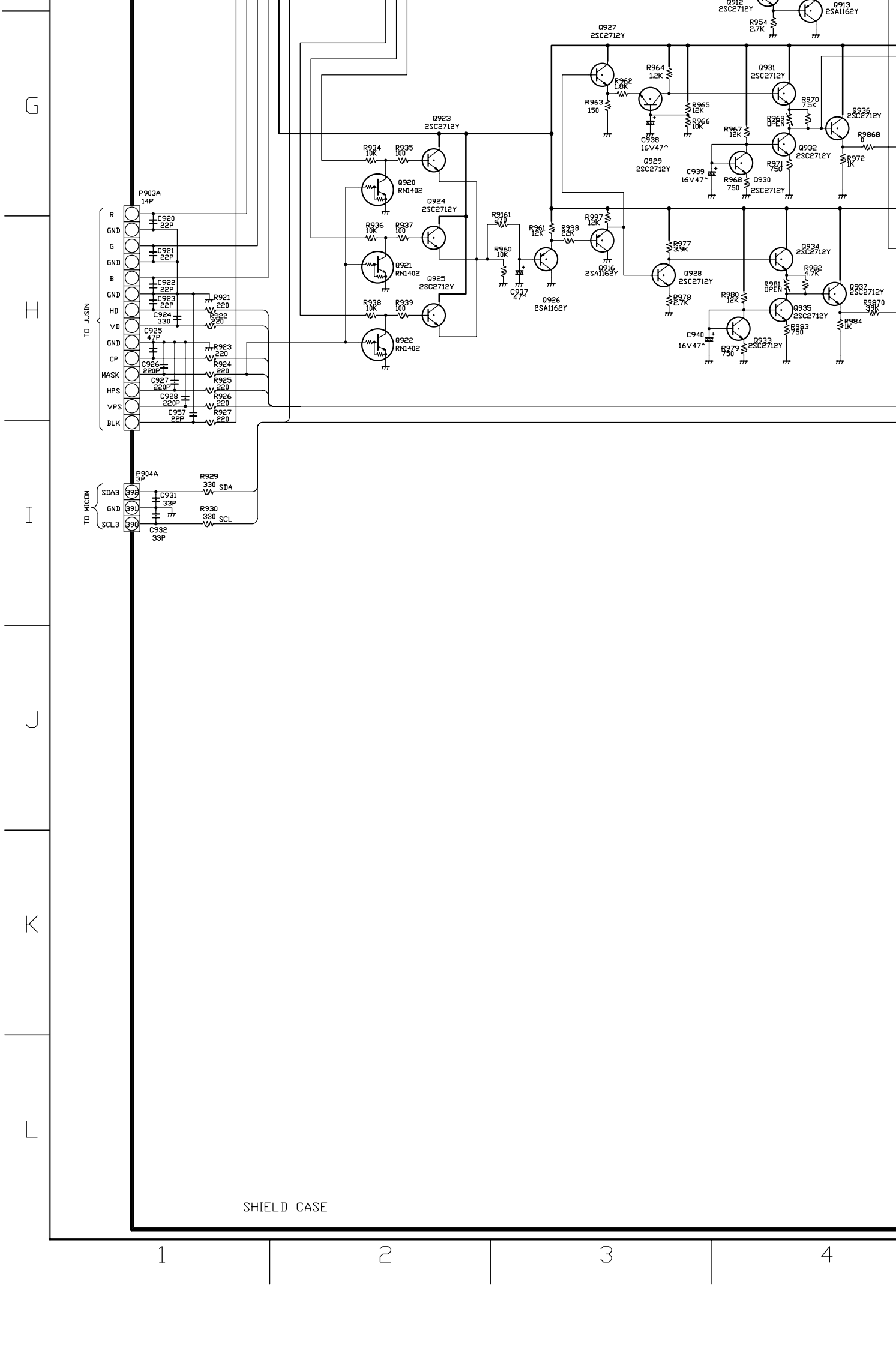
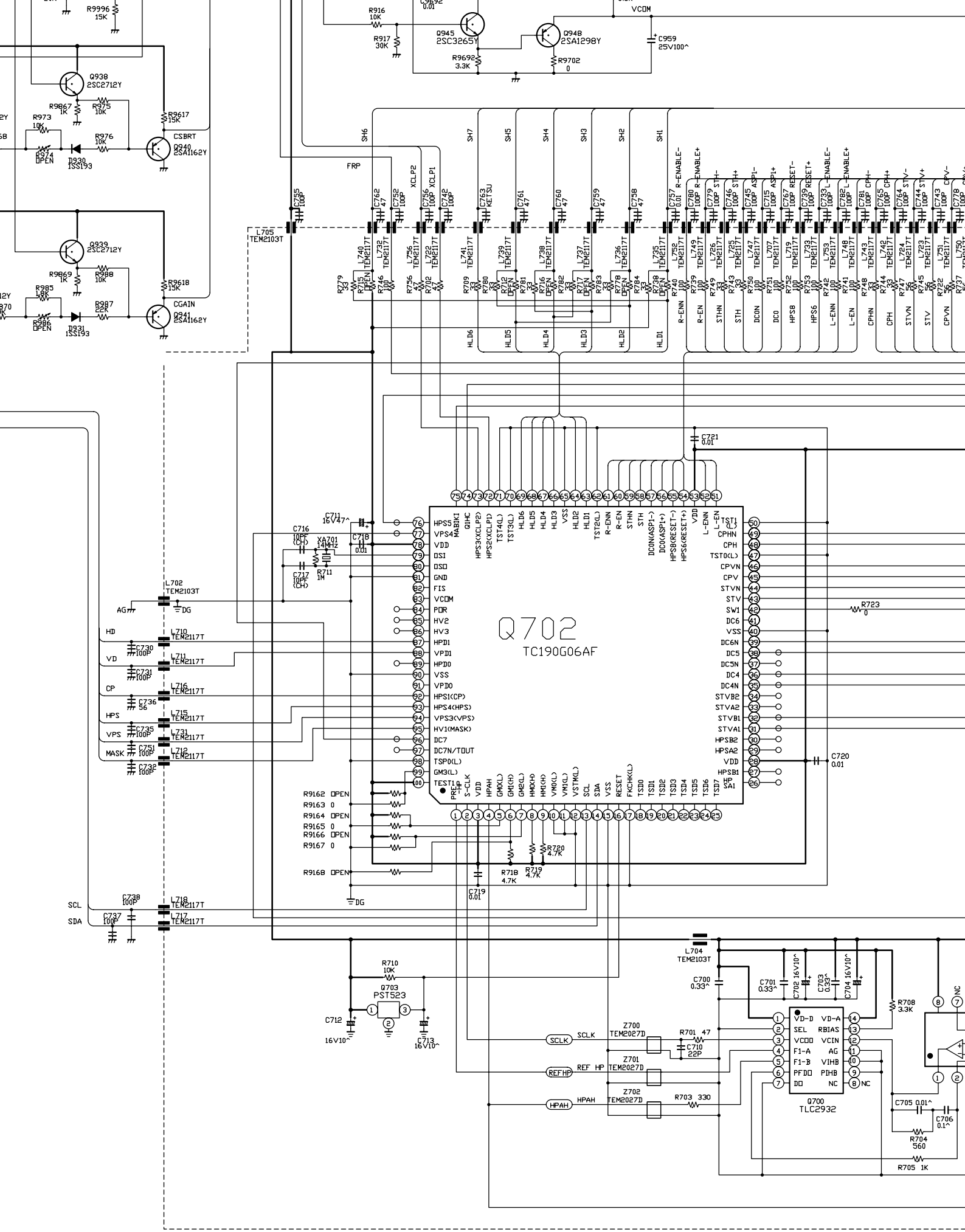
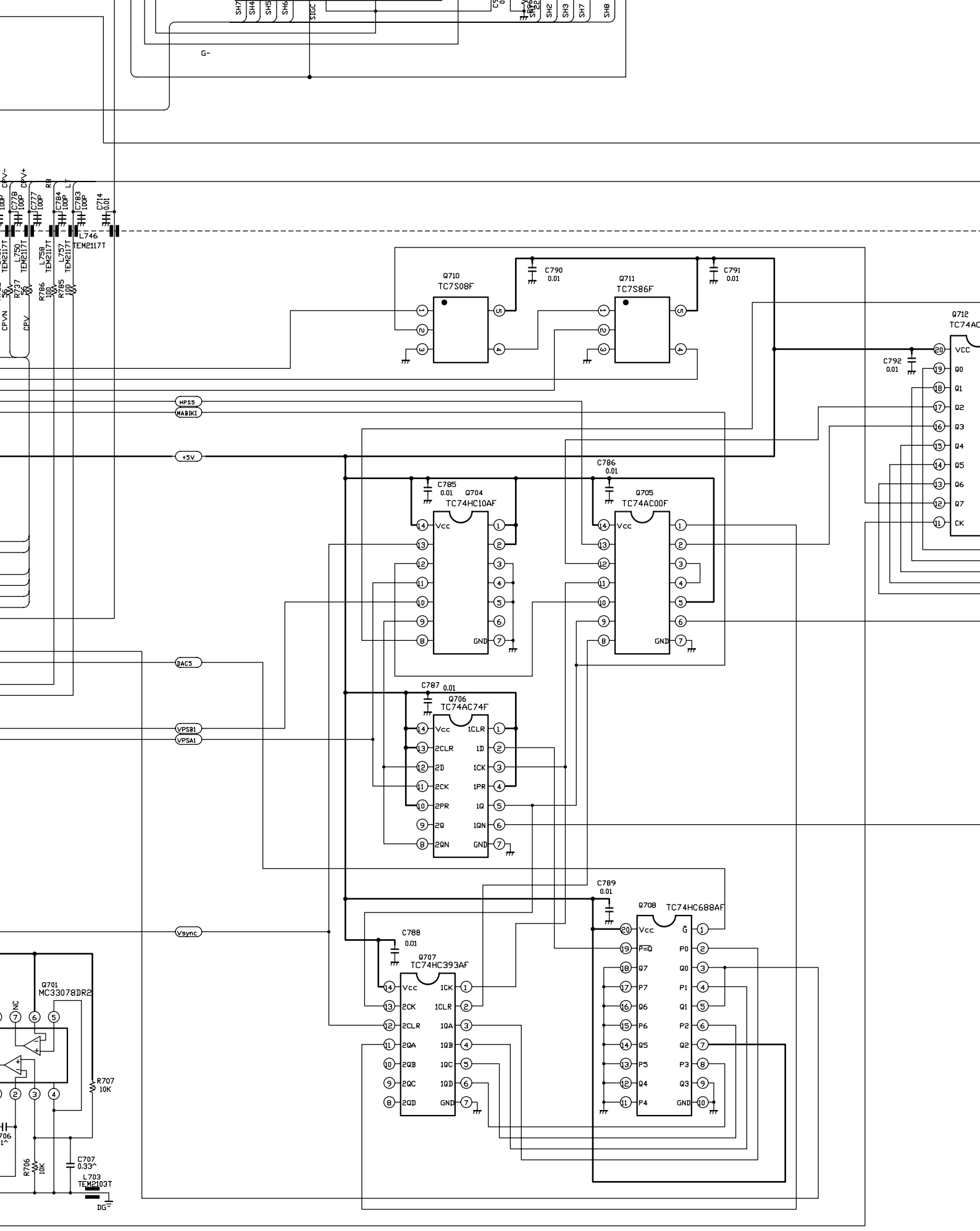
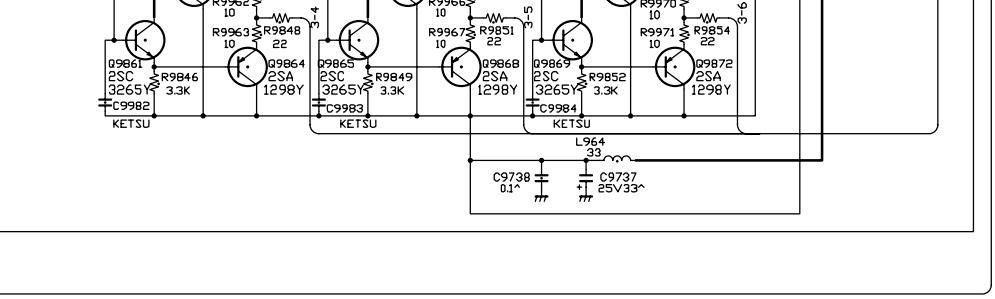
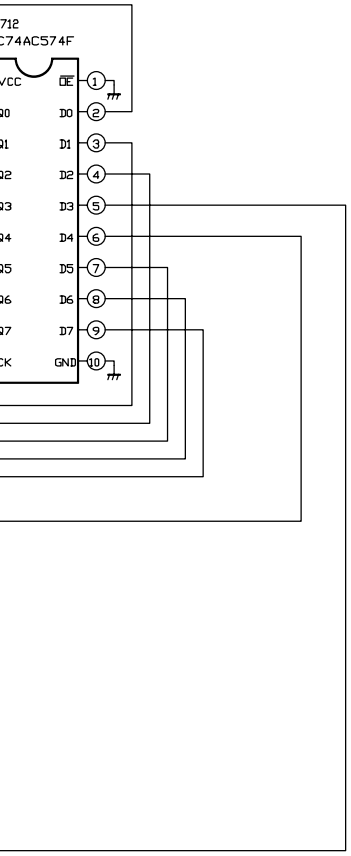
L932 TEM2117T
L933 TEM2117T
L934 TEM2117T
L943 TEM2117T
L945 33^
C9912 KETSU
C9913 KETSU
C9914 KETSU
C9915 KETSU
C9916 KETSU
C9917 KETSU
C9918 KETSU
C9919 KETSU
C9920 KETSU
C9921 KETSU
C9922 KETSU
C9923 KETSU
C9924 KETSU
C9925 KETSU
C9926 KETSU
C9927 KETSU
C9928 KETSU
C9929 KETSU
C9941 0.01
C9652 16V33^
L954 TEM2117T
L955 TEM2117T
L968 TEM2117T
L969 TEM2117T
L914 TEM2117T
L913 TEM2117T
L912 TEM2117T
L911 TEM2117T
L947 33^
L944 TEM2117T
C9650 KETSU
C9651 KETSU
C9934 0.01
C9629 0.01
C9907 100
C9906 100
C9905 100
C9904 100
C9903 25V33^
C9942 100
B1
B2
R1
R2
G1
G2
RB
LT
1 NC
2 R-ENABLE-
3 R-ENABLE+
4 STH-
5 STH+
6 CPH-
7 CPH+
8 R/L
9 L/R
10 ASP1-
11 ASP1+
12 ASP2-
13 ASP2+
14 RESET-
15 RESET+
16 GND1
17 Vdd1
18 Video1-1 B+
19 Video1-2 B-
20 Video1-3 B+
21 Video1-4 B-
22 Video1-5 B+
23 Video1-6 B-
24 Video2-1 R+
25 Video2-2 R-
26 Video2-3 R+
27 Video2-4 R-
28 Video2-5 R+
29 Video2-6 R-
30 Video3-1 G-
31 Video3-2 G+
32 Video3-3 G-
33 Video3-4 G+
34 Video3-5 G-
35 Video3-6 G+
36 Cs
37 Vdd3
38 GND2
39 L-ENABLE-
40 L-ENABLE+
41 B/T
42 T/B
43 CPV-
44 CPV+
45 STV-
46 STV+
47 Vdd2
48 Com
49 NC
50 NC
P901 50P


P903A
14P
R
GND
G
GND
B
GND
HD
VD
GND
CP
MASK
HPS
VPS
BLK
TO JUSIN
C920 22P
C921 22P
C922 22P
C923 22P
C924 330
C925 47P
C926 220P
C927 220P
C928 220P
C957 22P
R921 220
R922 220
R923 220
R924 220
R925 220
R926 220
R927 220
P904A
3P
SDA3
GND
SCL3
TO MICON
C931 33P
C932 33P
R929 330 SDA
R930 330 SCL
Q920 RN1402
Q921 RN1402
Q922 RN1402
Q923 2SC2712Y
Q924 2SC2712Y
Q925 2SC2712Y
R934 10K
R935 100
R936 10K
R937 100
R938 10K
R939 100
R9161 270
R960 10K
C937 47^
Q926 2SA1162Y
R961 12K
R998 22K
R997 12K
Q916 2SA1162Y
Q927 2SC2712Y
R962 1.8K
R963 150
R964 1.2K
R965 12K
R966 10K
C938 16V47^
Q929 2SC2712Y
Q928 2SC2712Y
R977 3.9K
R978 2.7K
Q912 2SC2712Y
R954 2.7K
Q913 2SA1162Y
Q931 2SC2712Y
R970 7.5K
R969 OPEN
Q936 2SC2712Y
R967 12K
R968 750
Q930 2SC2712Y
C939 16V47^
Q932 2SC2712Y
R971 750
R9868 0
R972 1K
Q934 2SC2712Y
R982 4.7K
R981 OPEN
Q937 2SC2712Y
R980 12K
Q935 2SC2712Y
R983 750
C940 16V47^
R979 750
Q933 2SC2712Y
R9870 33K
R984 1K
SHIELD CASE
G
H
I
J
K
L
1
2
3
4


Q702
TC190G06AF
Q703
PST523
Q700
TLC2932
Z700
TEM2027D
Z701
TEM2027D
Z702
TEM2027D
L704
TEM2103T
L705
TEM2103T
L702
TEM2103T
XA701
14MHz
SCLK
REF HP
HPAH
SCL
SDA
FRP
CSBRT
CGAIN
VCOM
AG
DG


G-
SH7
SH4
SH5
SH6
SIGC
SH2
SH3
SH7
SH8
CPV-
CPV+
C778 100P
C777 100P
C784 100P
C783 100P
C714 0.01
L746 TEM2117T
L750 TEM2117T
L758 TEM2117T
L757 TEM2117T
R786 100
R785 100
CPVN
CPV
HPS5
MABIK1
+5V
DAC5
VPSB1
VPSA1
Vsync
Q710 TC7S08F
Q711 TC7S86F
C790 0.01
C791 0.01
Q712 TC74AC
C792 0.01
VCC
Q0
Q1
Q2
Q3
Q4
Q5
Q6
Q7
CK
C785 0.01
Q704 TC74HC10AF
C786 0.01
Q705 TC74AC00F
Vcc
GND
C787 0.01
Q706 TC74AC74F
1CLR
1D
1CK
1PR
1Q
1QN
2CLR
2D
2CK
2PR
2Q
2QN
C788 0.01
Q707 TC74HC393AF
1QA
1QB
1QC
1QD
2QA
2QB
2QC
2QD
C789 0.01
Q708 TC74HC688AF
P=Q
P0
P1
P2
P3
P4
P5
P6
P7
Q0
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q701 MC33078IDR2
NC
R707 10K
R706 10K
C707 0.33^
L703 TEM2103T
DG

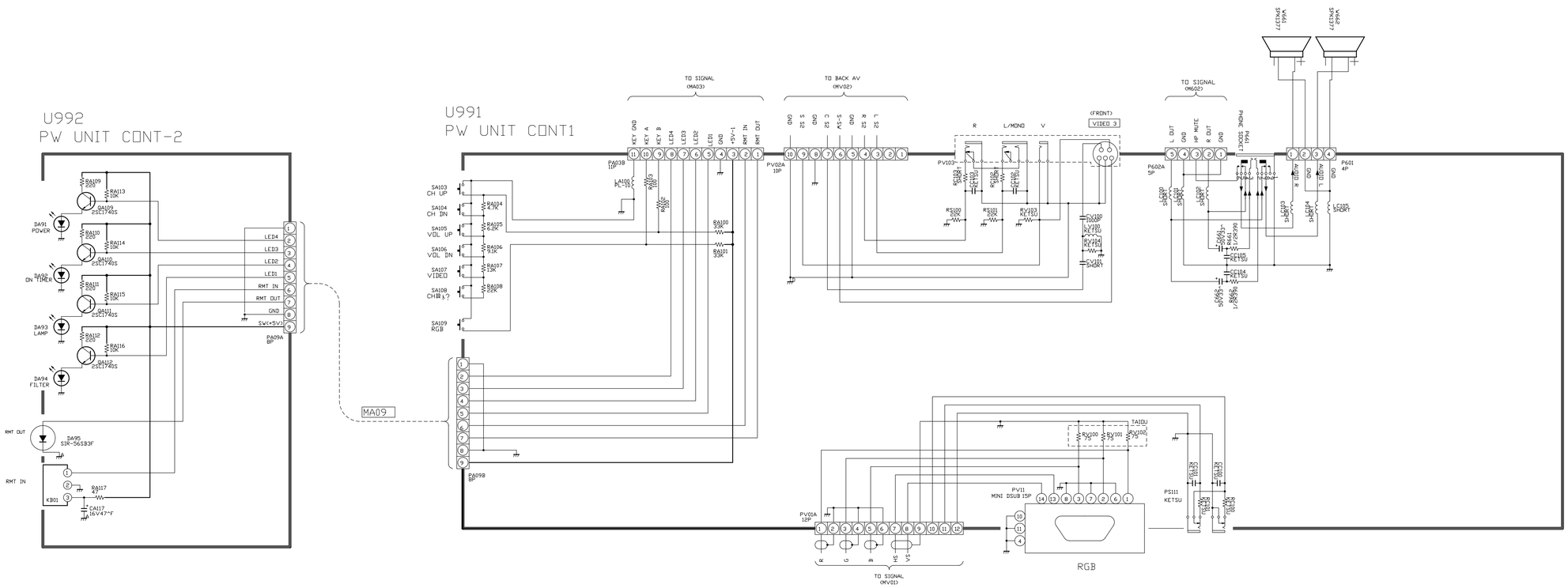




* KETSU means to open the circuit.

RGB DRIVE

44A9UH
44A9UR



* KETSU means open the circuit.

FRONT (CONTROL)
44A9UH
44A9UR

1 2 3

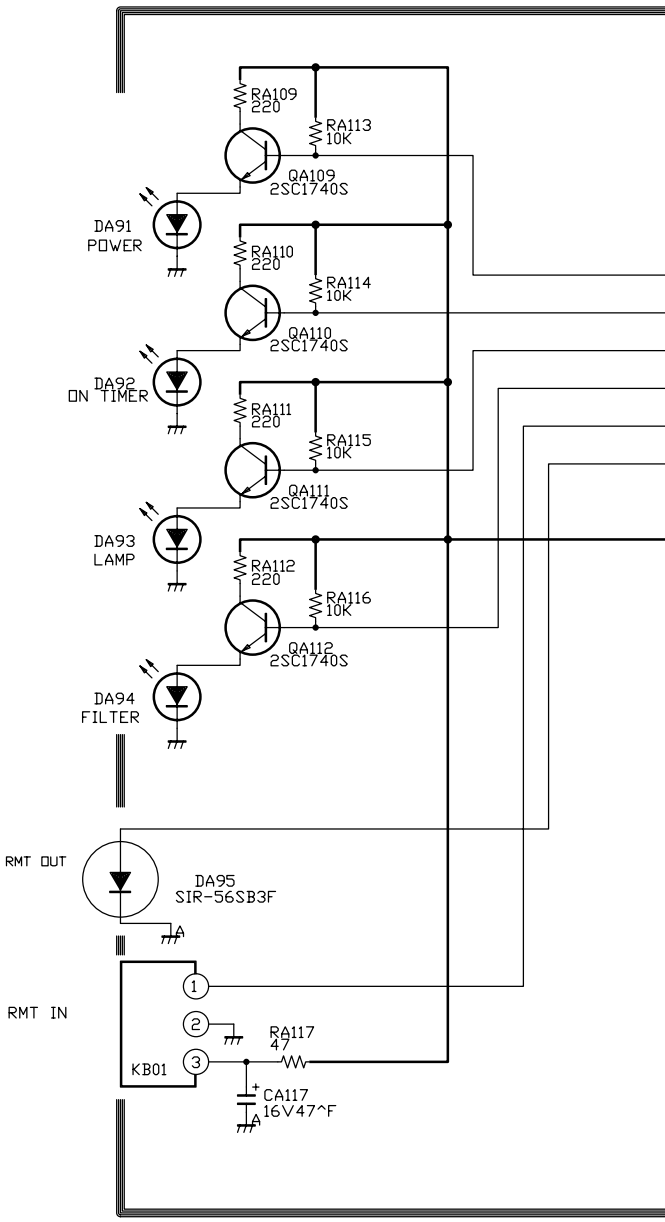
A

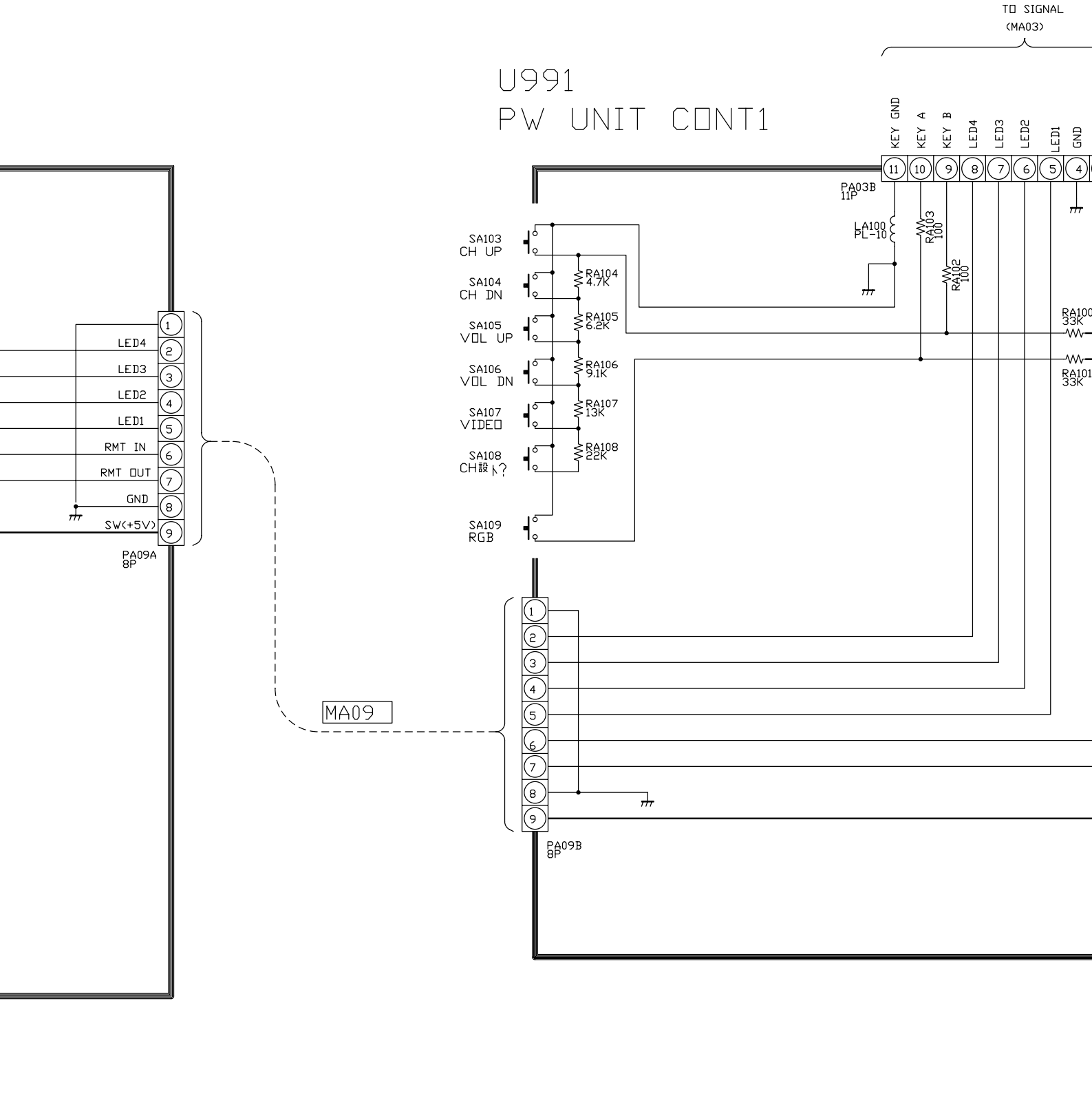
B

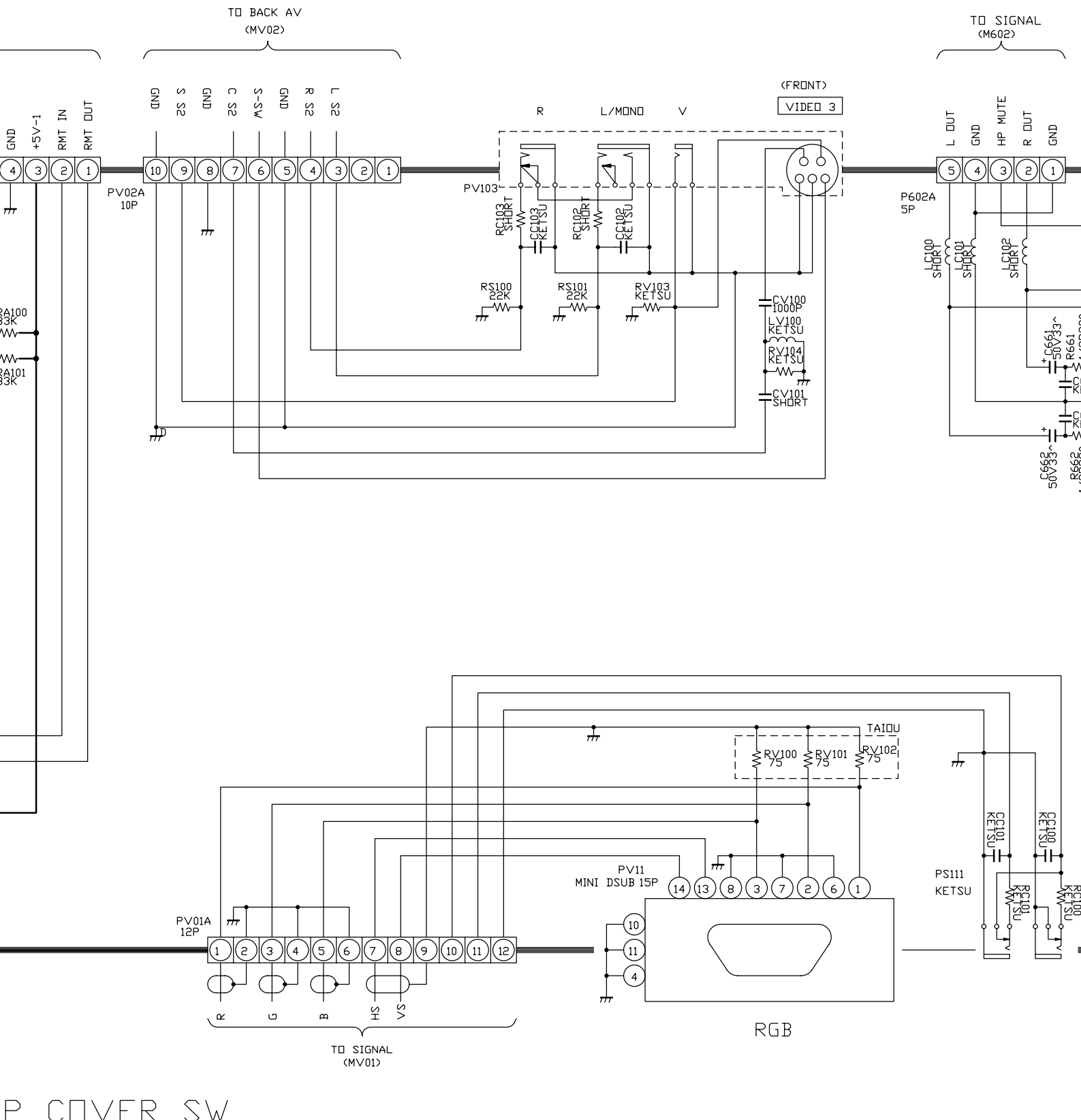
C

D

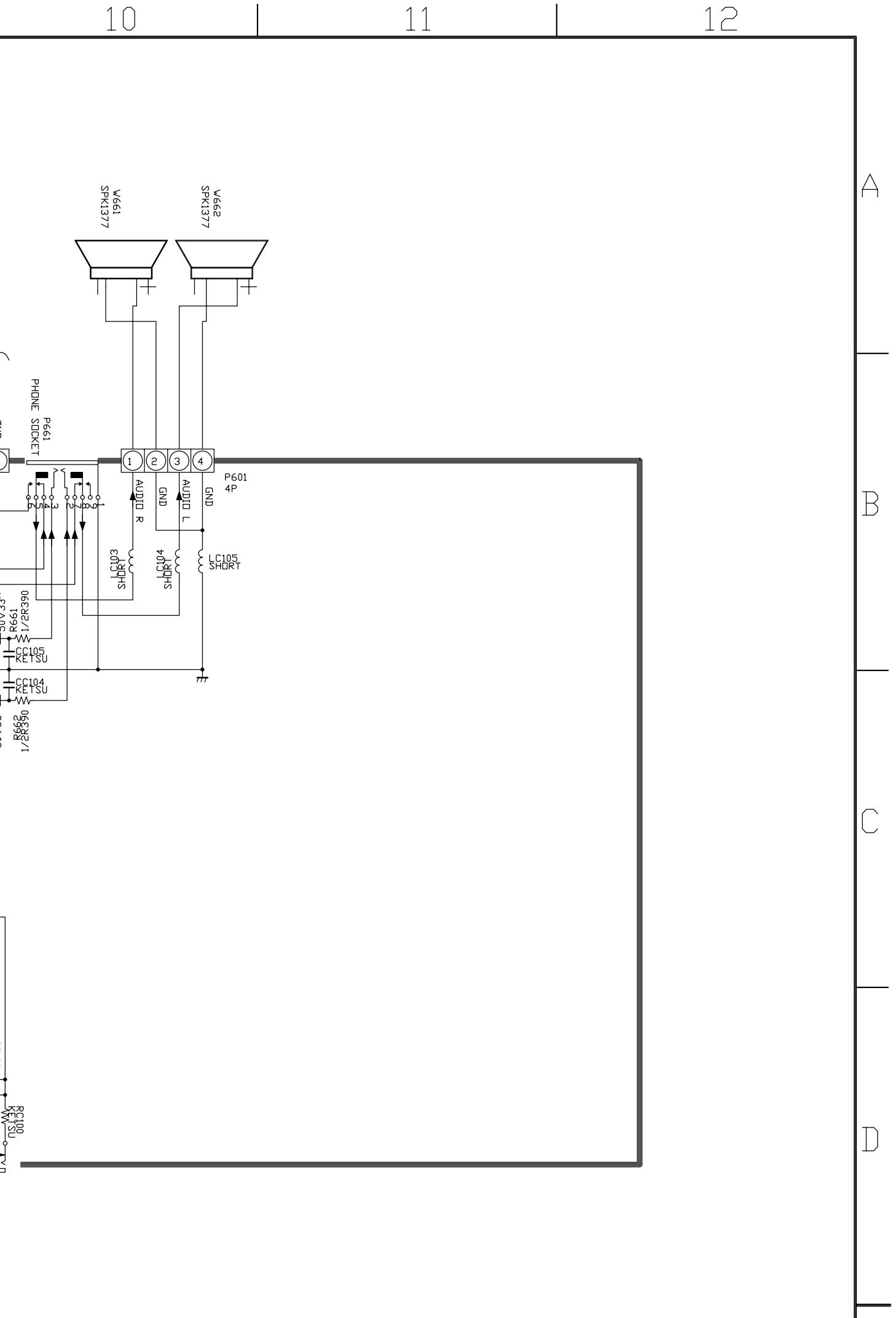
U992
PW UNIT CONT-2




TO SIGNAL
(MA03)
U991
PW UNIT CONT1
KEY GND
KEY A
KEY B
LED4
LED3
LED2
LED1
GND
11
10
9
8
7
6
5
4
PA03B
11P
LA100
PL-10
RA103
100
RA102
100
RA100
33K
RA101
33K
SA103
CH UP
SA104
CH DN
SA105
VOL UP
SA106
VOL DN
SA107
VIDEO
SA108
CH設ﾊ?
SA109
RGB
RA104
4.7K
RA105
6.2K
RA106
9.1K
RA107
13K
RA108
22K
LED4
LED3
LED2
LED1
RMT IN
RMT OUT
GND
SW(+5V)
PA09A
8P
MA09
PA09B
8P
LAMP


TO BACK AV
(MV02)
TO SIGNAL
(M602)
(FRONT)
VIDEO 3
R
L/MONO
V
GND
+5V-1
RMT IN
RMT OUT
GND
S S2
GND
C S2
S-SW
GND
R S2
L S2
L OUT
GND
HP MUTE
R OUT
GND
PV02A
10P
PV103
P602A
5P
RC103
SHORT
CC103
KETSU
RC102
SHORT
CC102
KETSU
RS100
22K
RS101
22K
RV103
KETSU
CV100
1000P
LV100
KETSU
RV104
KETSU
CV101
SHORT
LC100
SHORT
LC101
SHORT
LC102
SHORT
C661
50V33^
R661
C662
50V33^
R662
TAIOU
RV100
75
RV101
75
RV102
75
PV11
MINI DSUB 15P
PV01A
12P
PS111
KETSU
CC101
KETSU
CC100
KETSU
RC101
KETSU
RC100
KETSU
R
G
B
HS
VS
TO SIGNAL
(MV01)
RGB

P COVER SW


10
11
12
A
B
C
D
W661
SPK1377
W662
SPK1377
PHONE SOCKET
P661
P601
4P
AUDIO R
GND
AUDIO L
GND
LC103
SHORT
LC104
SHORT
LC105
SHORT
R661
1/2R390
CC105
KETSU
CC104
KETSU
R662
1/2R390
R100
KETSU

E

F

G

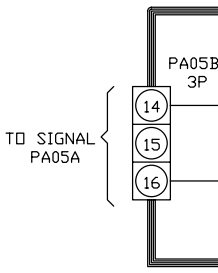
H

1

2

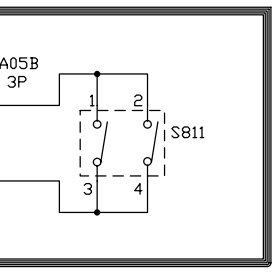
3

LAMP



U944
PW U

P COVER SW



* KETSU means

4
UNIT SHUT SW2

s open the circuit.

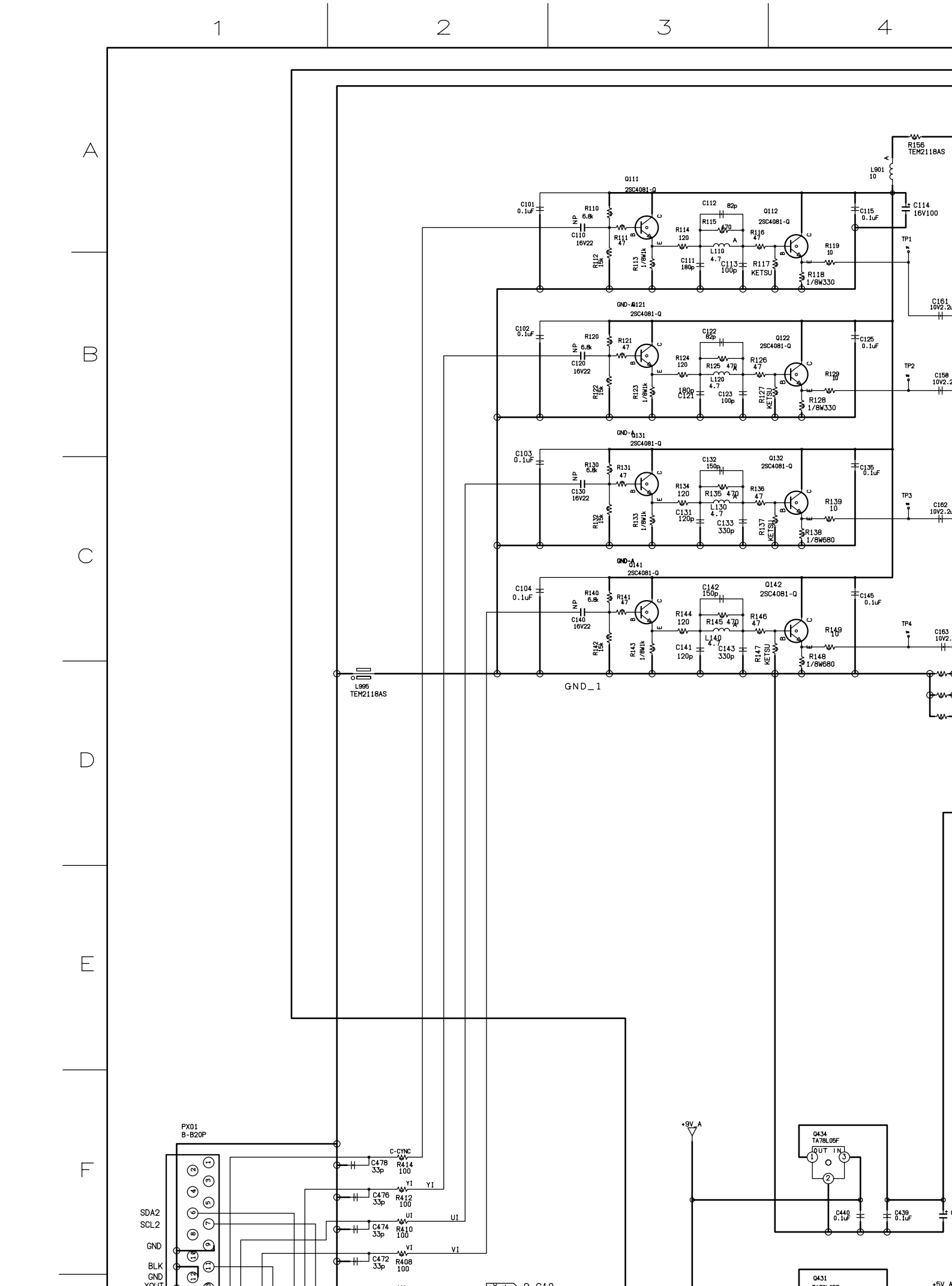
FRONT (CONTROL)
44A9UH
44A9UR

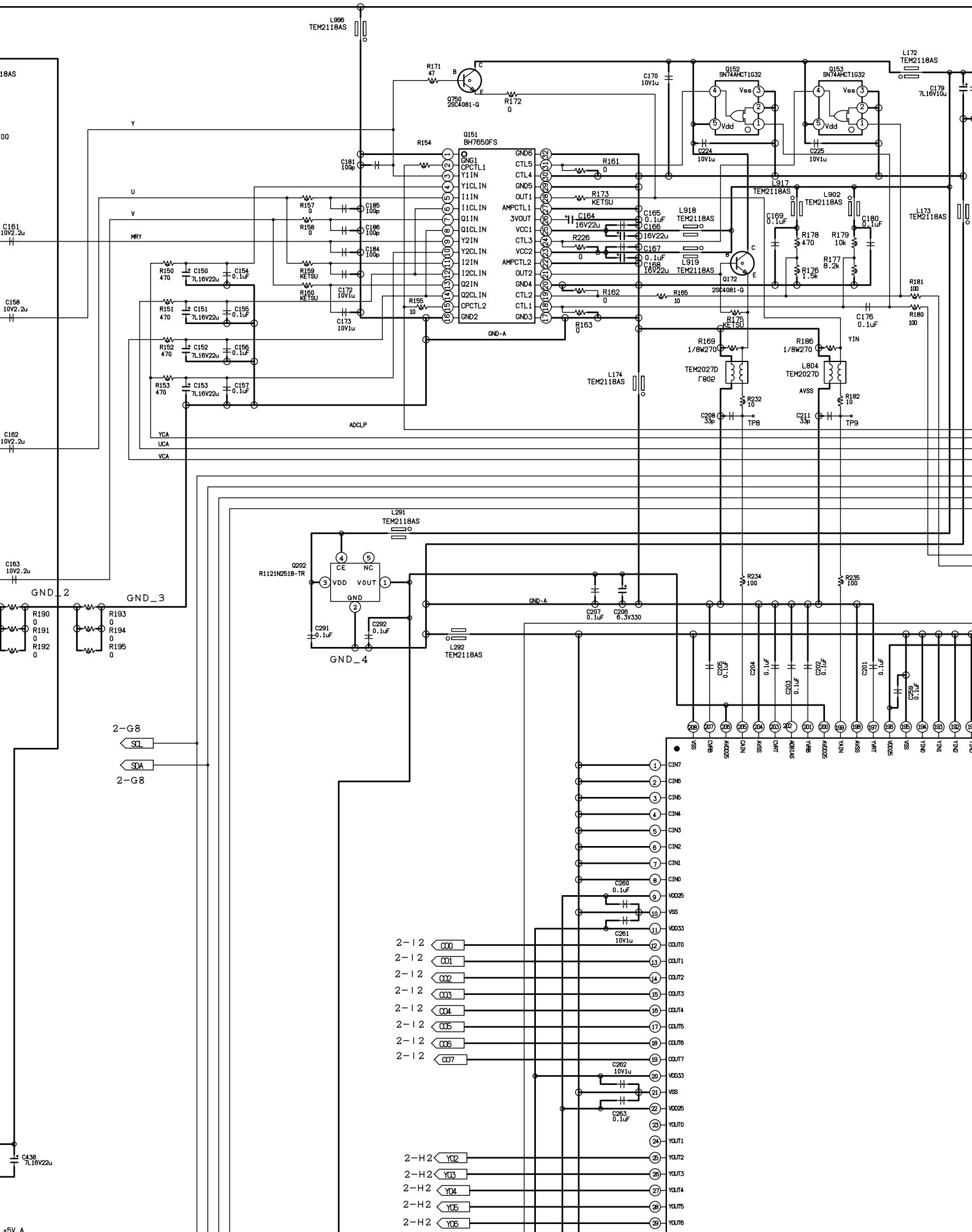
E
F
G
H

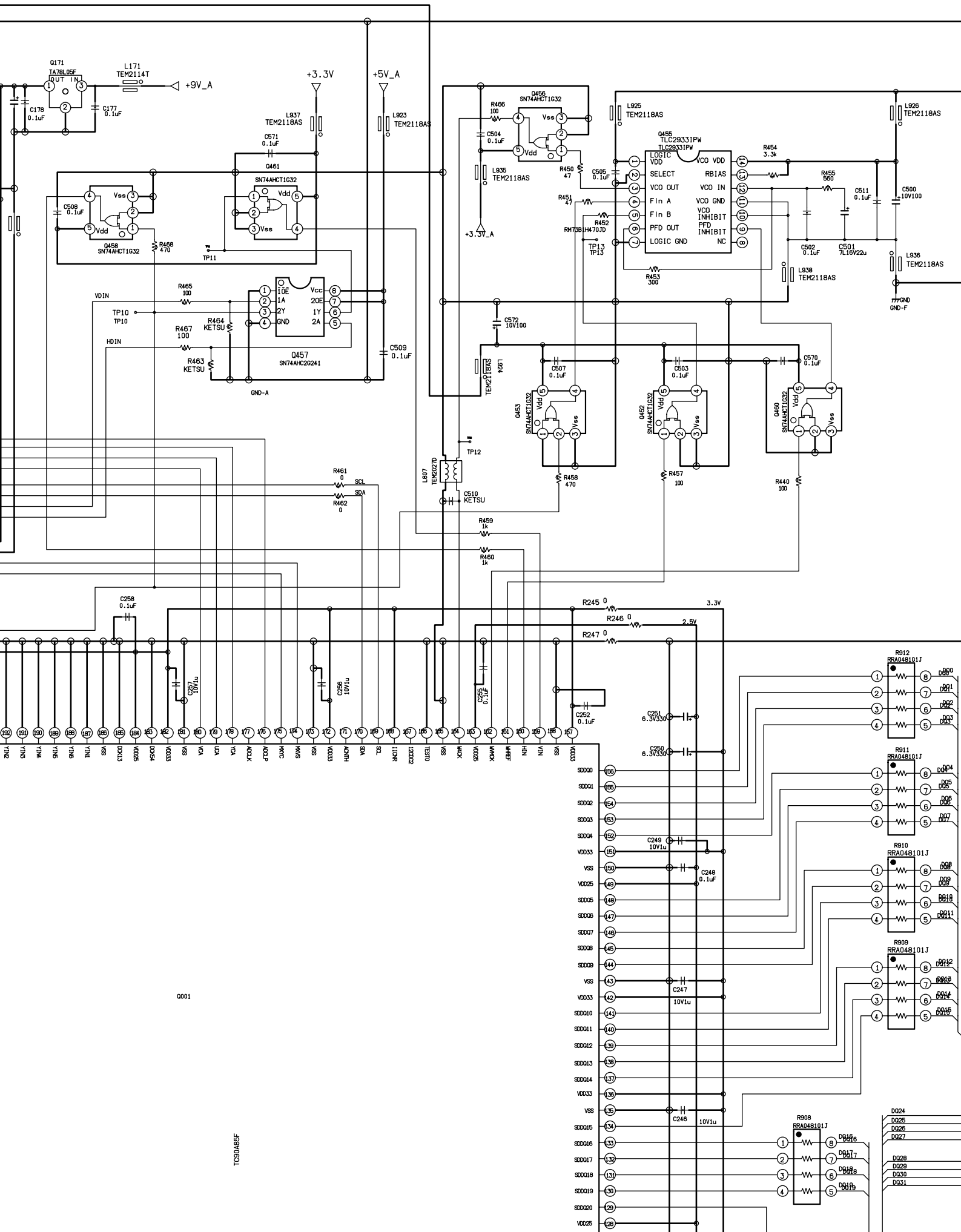
10 11 12

UPCON
DFS-BLOCK

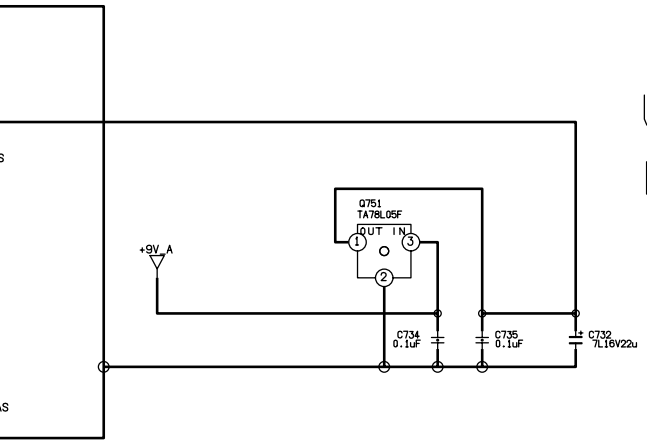
UPCON
DFS(Digital Frame Scan)
44A9UH/44A9UR
[SHEET-1]

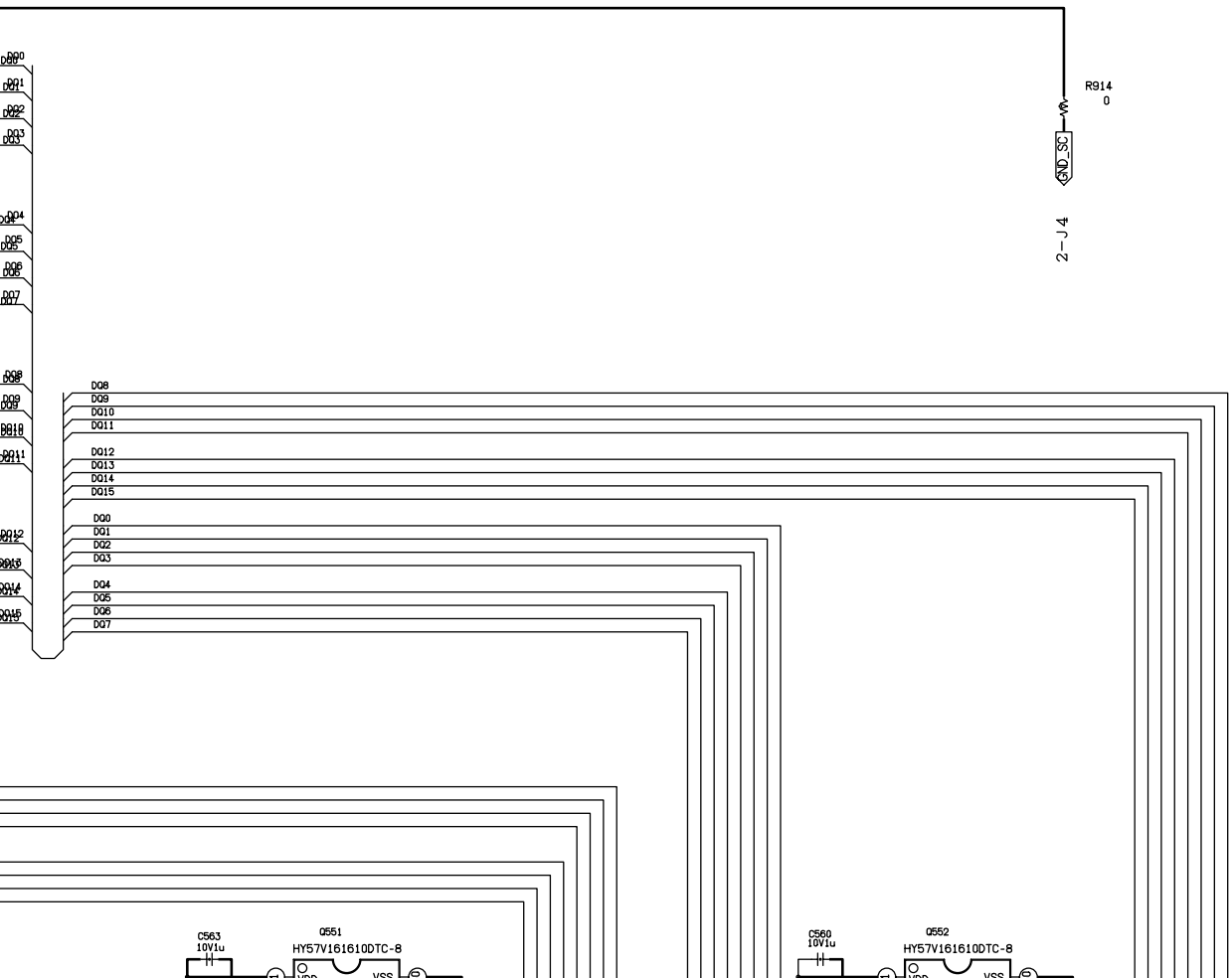

1
2
3
4
A
B
C
D
E
F
R156
TEM2118AS
L901
10
Q111
2SC4081-Q
C101
0.1uF
R110
6.8k
NP
C110
16V22
R111
47
R112
15k
R113
1/8W1k
C112
82p
R115
470
R114
120
L110
4.7
C111
180p
C113
100p
Q112
2SC4081-Q
R116
47
R117
KETSU
R118
1/8W330
R119
10
C114
16V100
C115
0.1uF
TP1
C161
10V2.2
GND-A
Q121
2SC4081-Q
C102
0.1uF
R120
6.8k
NP
C120
16V22
R121
47
R122
15k
R123
1/8W1k
C122
82p
R124
120
R125
470
L120
4.7
180p
C121
C123
100p
Q122
2SC4081-Q
R126
47
R127
KETSU
R128
1/8W330
R129
10
C125
0.1uF
TP2
C158
10V2.2
GND-A
Q131
2SC4081-Q
C103
0.1uF
R130
6.8k
NP
C130
16V22
R131
47
R132
15k
R133
1/8W1k
C132
150p
R134
120
R135
470
L130
4.7
C131
120p
C133
330p
Q132
2SC4081-Q
R136
47
R137
KETSU
R138
1/8W680
R139
10
C135
0.1uF
TP3
C162
10V2.2
GND-A
Q141
2SC4081-Q
C104
0.1uF
R140
6.8k
NP
C140
16V22
R141
47
R142
15k
R143
1/8W1k
C142
150p
R144
120
R145
470
L140
4.7
C141
120p
C143
330p
Q142
2SC4081-Q
R146
47
R147
KETSU
R148
1/8W680
R149
10
C145
0.1uF
TP4
C163
10V2.
L995
TEM2118AS
GND_1
PX01
B-B20P
SDA2
SCL2
GND
BLK
GND
C-CYNC
C478
33p
R414
100
YI
C476
33p
R412
100
UI
C474
33p
R410
100
VI
C472
33p
R408
100
+9V_A
Q434
TA78L05F
OUT
IN
C440
0.1uF
C439
0.1uF
Q431
+5V_A

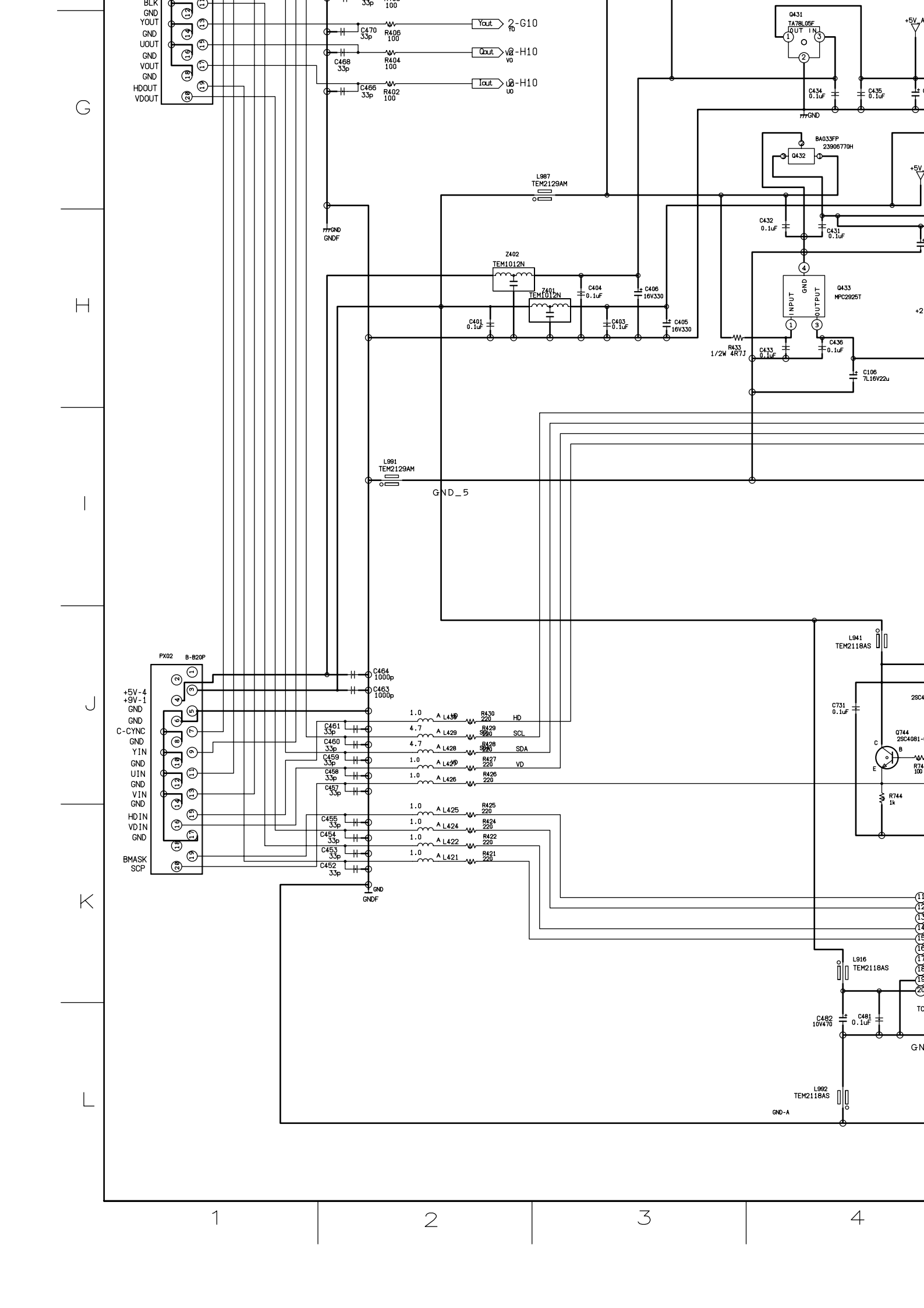

L996 TEM2118AS
R171 47
Q750 2SC4081-Q
R172 0
Q151 BH7650FS
R154
C181 100p
R161 0
R173 KETSU
C165 0.1uF
C166 16V22u
C164 16V22u
R226 0
C167 0.1uF
C168 16V22u
L918 TEM2118AS
L919 TEM2118AS
R162 0
R163 0
R165 10
R175 KETSU
Q172 2SC4081-Q
GND-A
Q152 SN74AHCT1G32
Q153 SN74AHCT1G32
C224 10V1u
C225 10V1u
C170 10V1u
L172 TEM2118AS
C179 7L16V10u
L917 TEM2118AS
L902 TEM2118AS
L173 TEM2118AS
C169 0.1uF
C180 0.1uF
R178 470
R179 10k
R176 1.5k
R177 8.2k
R181 100
R180 100
C176 0.1uF
Y
U
V
MRY
C161 10V2.2u
C158 10V2.2u
C162 10V2.2u
C163 10V2.2u
R150 470
C150 7L16V22u
C154 0.1uF
R151 470
C151 7L16V22u
C155 0.1uF
R152 470
C152 7L16V22u
C156 0.1uF
R153 470
C153 7L16V22u
C157 0.1uF
R157 0
R158 0
C185 100p
C186 100p
C184 100p
R159 KETSU
R160 KETSU
C172 10V1u
C173 10V1u
R155 10
C181 100p
ADCLP
YCA
UCA
VCA
YIN
R169 1/8W270
R186 1/8W270
TEM2027D Γ802
L804 TEM2027D
AVSS
R232 10
R182 10
C208 33p
C211 33p
TP8
TP9
L174 TEM2118AS
L291 TEM2118AS
Q202 R1121N251B-TR
CE NC VDD VOUT GND
C291 0.1uF
C292 0.1uF
L292 TEM2118AS
GND_4
C207 0.1uF
C206 6.3V330
R234 100
R235 100
GND_2
GND_3
R190 0
R191 0
R192 0
R193 0
R194 0
R195 0
2-G8
SCL
SDA
2-G8
C205 0.1uF
C204 0.1uF
C203 0.1uF
C202 0.1uF
C201 0.1uF
C259 0.1uF
C260 0.1uF
C261 10V1u
C262 10V1u
C263 0.1uF
C438 7L16V22u
+5V_A
2-I2 CO0
2-I2 CO1
2-I2 CO2
2-I2 CO3
2-I2 CO4
2-I2 CO5
2-I2 CO6
2-I2 CO7
2-H2 YO2
2-H2 YO3
2-H2 YO4
2-H2 YO5
2-H2 YO6
CIN7
CIN6
CIN5
CIN4
CIN3
CIN2
CIN1
CIN0
VDD25
VSS
VDD33
COUT0
COUT1
COUT2
COUT3
COUT4
COUT5
COUT6
COUT7
VDD33
VSS
VDD25
YOUT0
YOUT1
YOUT2
YOUT3
YOUT4
YOUT5
YOUT6

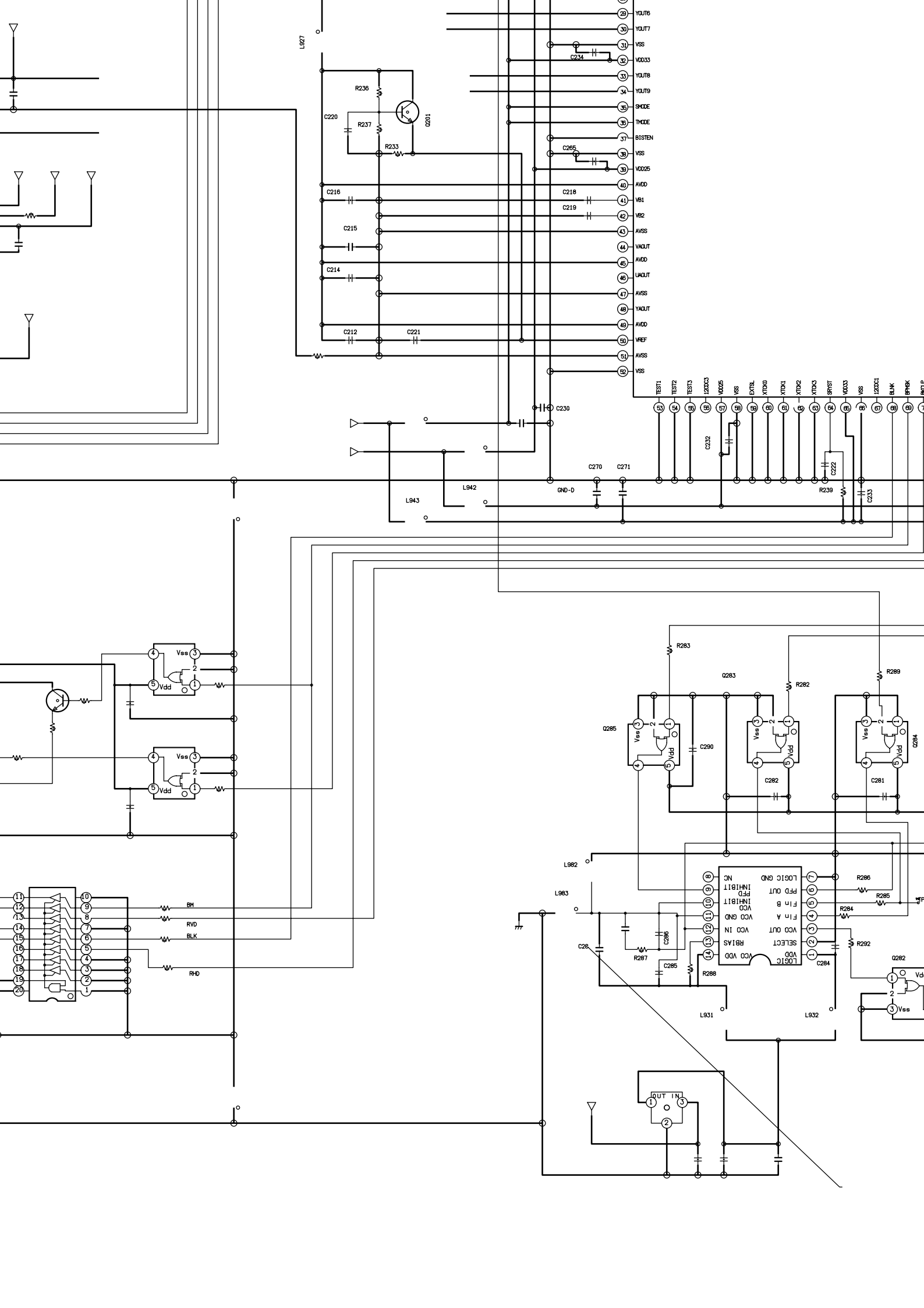

Q171
TA78L05F
OUT IN
L171
TEM2114T
+9V_A
+3.3V
+5V_A
C178
0.1uF
C177
0.1uF
L937
TEM2118AS
L923
TEM2118AS
C571
0.1uF
Q461
SN74AHCT1G32
C508
0.1uF
Q458
SN74AHCT1G32
R468
470
TP11
R466
100
Q456
SN74AHCT1G32
C504
0.1uF
L935
TEM2118AS
+3.3V_A
R450
47
L925
TEM2118AS
L926
TEM2118AS
Q455
TLC29331PW
LOGIC VDD
SELECT
VCO OUT
Fin A
Fin B
PFD OUT
LOGIC GND
VCO VDD
RBIAS
VCO IN
VCO GND
VCO INHIBIT
PFD INHIBIT
NC
R454
3.3k
R455
560
C505
0.1uF
R451
47
R452
RM73B1H470JD
TP13
TP13
C511
0.1uF
C500
10V100
C502
0.1uF
C501
7L16V22u
R453
300
L938
TEM2118AS
L936
TEM2118AS
GND-F
VDIN
TP10
TP10
R465
100
R464
KETSU
R467
100
HDIN
R463
KETSU
Q457
SN74AHC2G241
IOE
1A
2Y
GND
Vcc
2OE
1Y
2A
C509
0.1uF
GND-A
C572
10V100
L924
TEM2118AS
C507
0.1uF
C503
0.1uF
C570
0.1uF
Q453
SN74AHCT1G32
Q452
SN74AHCT1G32
Q460
SN74AHCT1G32
TP12
L807
TEM2027D
C510
KETSU
R458
470
R457
100
R440
100
R461
0
SCL
SDA
R462
0
R459
1k
R460
1k
C258
0.1uF
R245 0
R246 0
R247 0
3.3V
2.5V
C257
10V1u
C256
10V1u
C255
0.1uF
C252
0.1uF
C251
6.3V330u
C250
6.3V330u
C249
10V1u
C248
0.1uF
C247
10V1u
C246
10V1u
R912
RRA048101J
R911
RRA048101J
R910
RRA048101J
R909
RRA048101J
R908
RRA048101J
Q001
TC90A85F

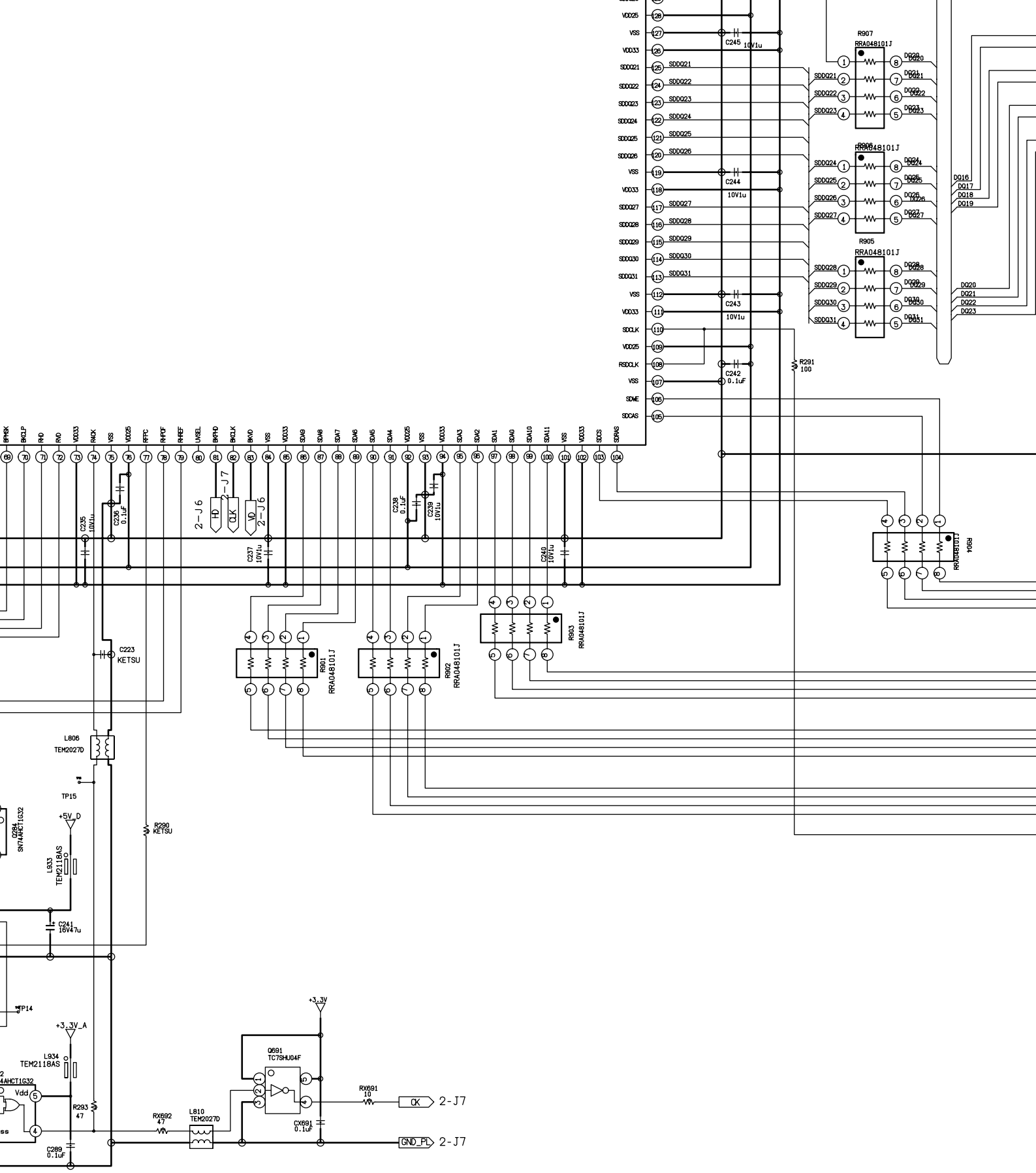
UPCON
DFS-BLOCK

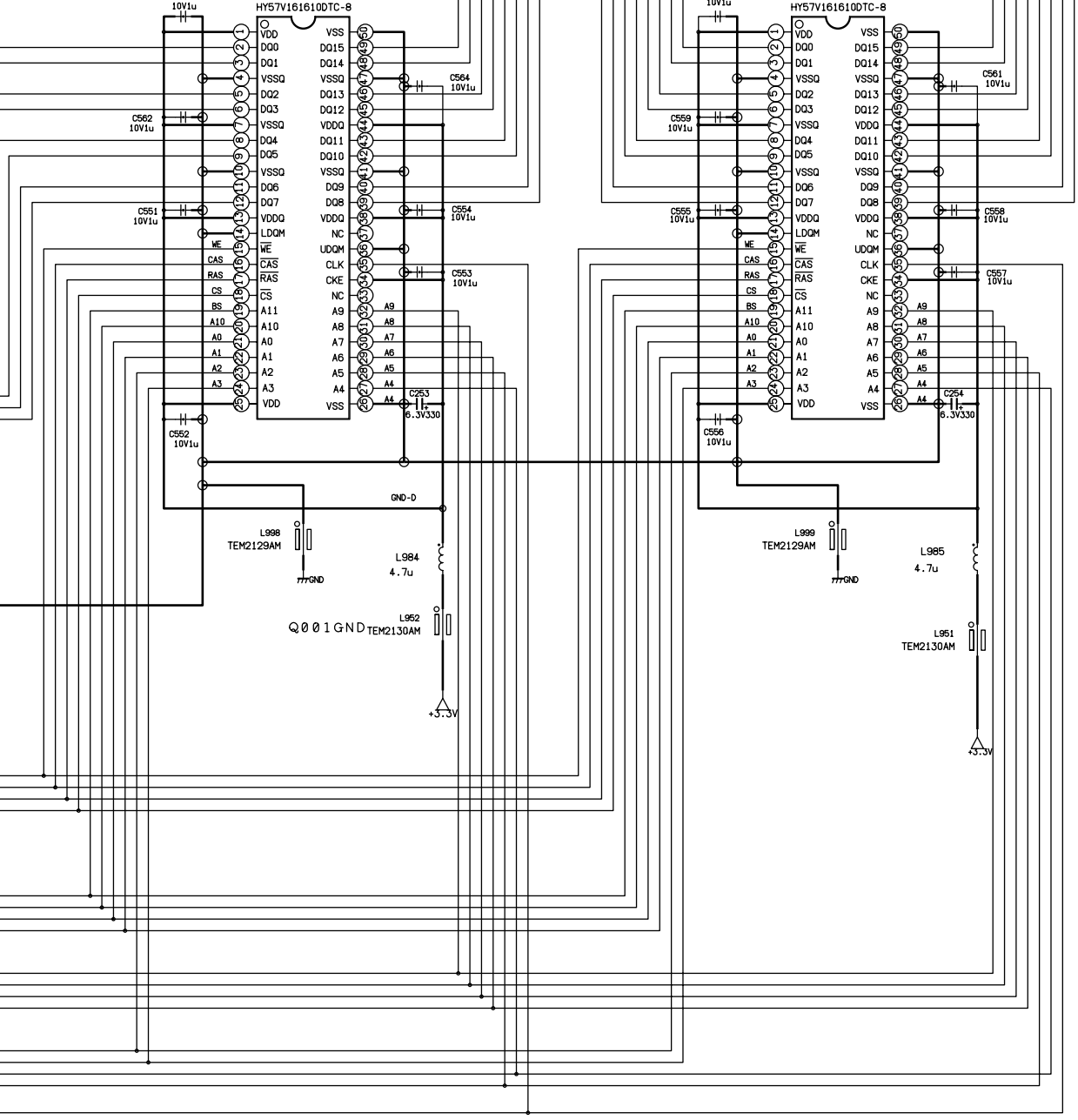





BLK
GND
YOUT
GND
UOUT
GND
VOUT
GND
HDOUT
VDOUT
C470 33p
R406 100
Yout
2-G10
C468 33p
R404 100
Qout
2-H10
C466 33p
R402 100
Iout
2-H10
Q431
TA78L05F
OUT IN
C434 0.1uF
C435 0.1uF
GND
BA033FP
23906770H
Q432
L987
TEM2129AM
GNDF
C432 0.1uF
C431 0.1uF
Z402
TEM1012N
Z401
TEM1012N
C404 0.1uF
C406 16V330
C401 0.1uF
C403 0.1uF
C405 16V330
INPUT
GND
OUTPUT
Q433
MPC2925T
R433 1/2W 4R7J
C433 0.1uF
C436 0.1uF
C106 7L16V22u
L991
TEM2129AM
GND_5
PX02
B-B20P
+5V-4
+9V-1
GND
GND
C-CYNC
GND
YIN
GND
UIN
GND
VIN
GND
HDIN
VDIN
GND
BMASK
SCP
C464 1000p
C463 1000p
C461 33p
C460 33p
C459 33p
C458 33p
C457 33p
C455 33p
C454 33p
C453 33p
C452 33p
L430
L429
L428
L427
L426
L425
L424
L422
L421
R430 220
R429 220
R428 220
R427 220
R426 220
R425 220
R424 220
R422 220
R421 220
HD
SCL
SDA
VD
GND
GNDF
L941
TEM2118AS
C731 0.1uF
Q744
2SC4081
R744 1k
L916
TEM2118AS
C482 10V470
C481 0.1uF
L992
TEM2118AS
GND-A


L927
R236
C220
R237
Q201
R233
C234
C265
C216
C218
C219
C215
C214
C212
C221
C230
YOUT6
YOUT7
VSS
VDD33
YOUT8
YOUT9
SMODE
TMODE
BISTEN
VSS
VDD25
AVDD
VB1
VB2
AVSS
VAOUT
AVDD
UAOUT
AVSS
YAOUT
AVDD
VREF
AVSS
VSS
TEST1
TEST2
TEST3
LDOD3
VDD25
VSS
EXTSL
XTDO0
XTDI1
XTDO2
XTDI3
SRYST
VDD33
VSS
LDOD1
BLNK
BPHSK
C232
C222
C270
C271
L942
L943
GND-D
R239
C233
R283
Q283
R282
R289
Q285
C290
C282
C281
Q284
L982
L983
R286
R285
R284
R292
C28
C286
R287
C285
R288
Q282
L931
L932
OUT IN
BM
RVD
BLK
RHD
Vss
Vdd


VDD25
VSS
VDD33
SDDQ21
SDDQ22
SDDQ23
SDDQ24
SDDQ25
SDDQ26
SDDQ27
SDDQ28
SDDQ29
SDDQ30
SDDQ31
SDCLK
RSDCLK
SDWE
SDCAS
C245 10V1u
C244 10V1u
C243 10V1u
C242 0.1uF
R907 RRA048101J
R906 RRA048101J
R905 RRA048101J
DQ16
DQ17
DQ18
DQ19
DQ20
DQ21
DQ22
DQ23
R291 100
BHSK
BKCLP
RHD
RWD
RMCK
RFPG
RHPDF
RHREF
LVSEL
BKRHD
BKCLK
BKWD
SDA9
SDA8
SDA7
SDA6
SDA5
SDA4
SDA3
SDA2
SDA1
SDA0
SDA10
SDA11
SDCS
SDRAS
C235 10V1u
C236 0.1uF
C237 10V1u
C238 0.1uF
C239 10V1u
C240 10V1u
2-J6
HD
2-J7
CLK
VD
2-J6
R904 RRA048101J
R901 RRA048101J
R902 RRA048101J
R903 RRA048101J
C223 KETSU
L806 TEM2027D
TP15
+5V_D
R290 KETSU
Q284 SN74AHCT1G32
L933 TEM2118AS
C241 16V47u
TP14
+3.3V_A
L934 TEM2118AS
Vdd
R293 47
RX692 47
L810 TEM2027D
C289 0.1uF
+3.3V
Q691 TC7SHU04F
RX691 10
CX691 0.1uF
CK
2-J7
GND_PL
2-J7



UPCON

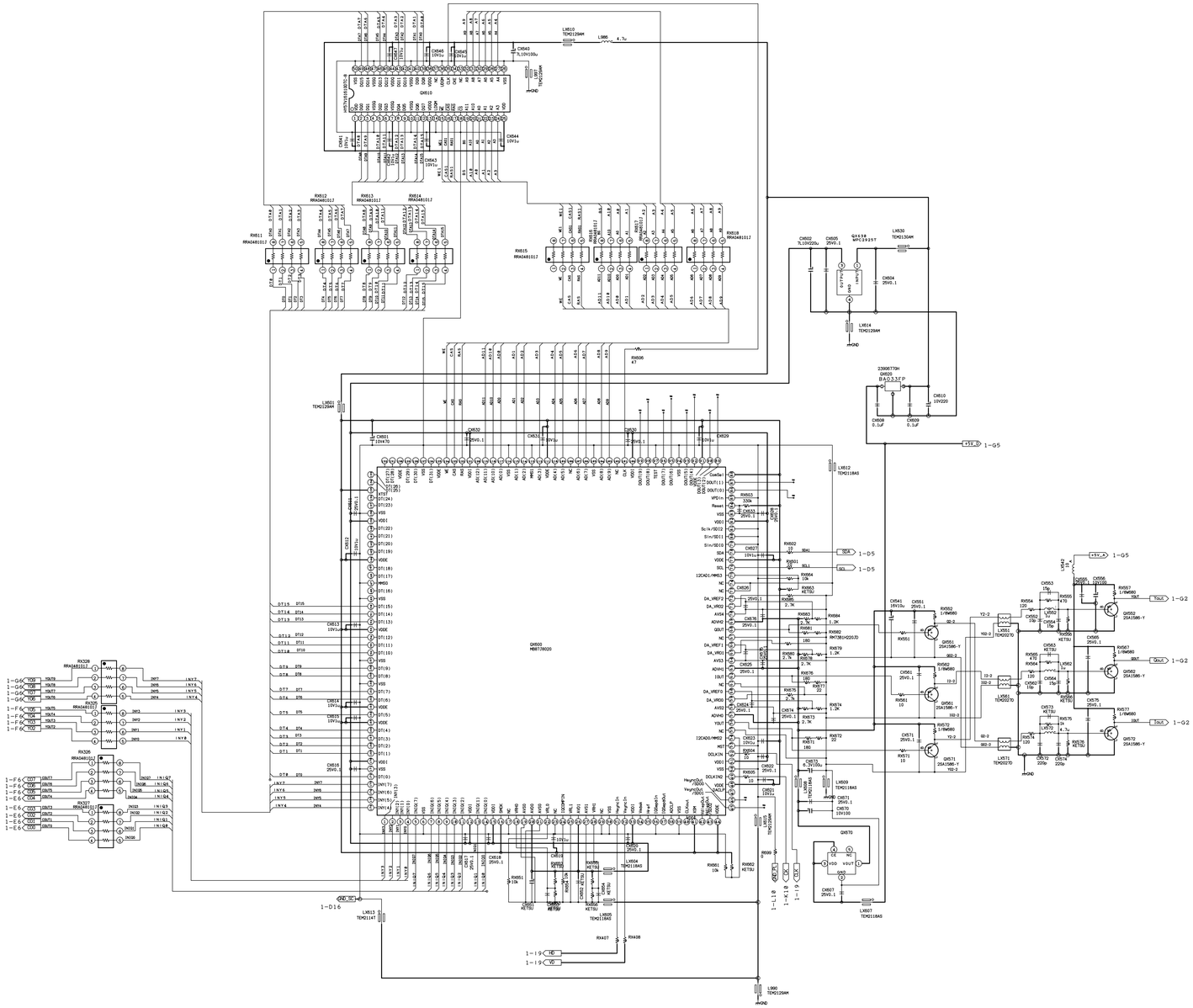
DFS(Digital Frame Scan)

44A9UH/44A9UR

[SHEET-1]

UPCON

HV-SCALLER BLOCK



LCD-PJ

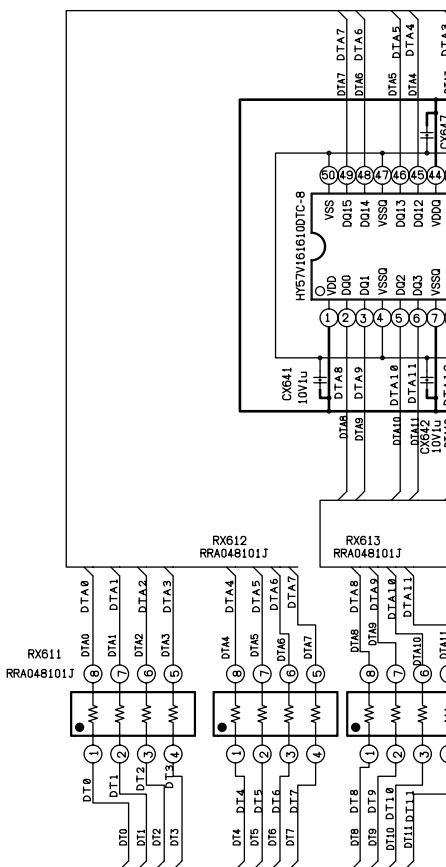
HV-SCALL

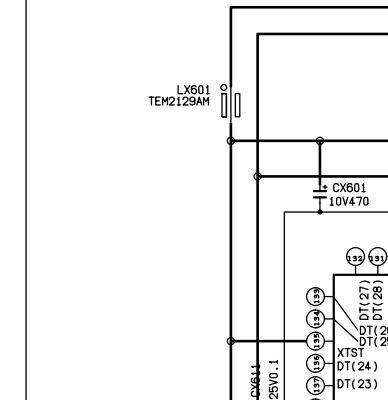
UPCON
HV-SCALLER BLOCK
44A9UH/44A9UR

[SHEET-2]

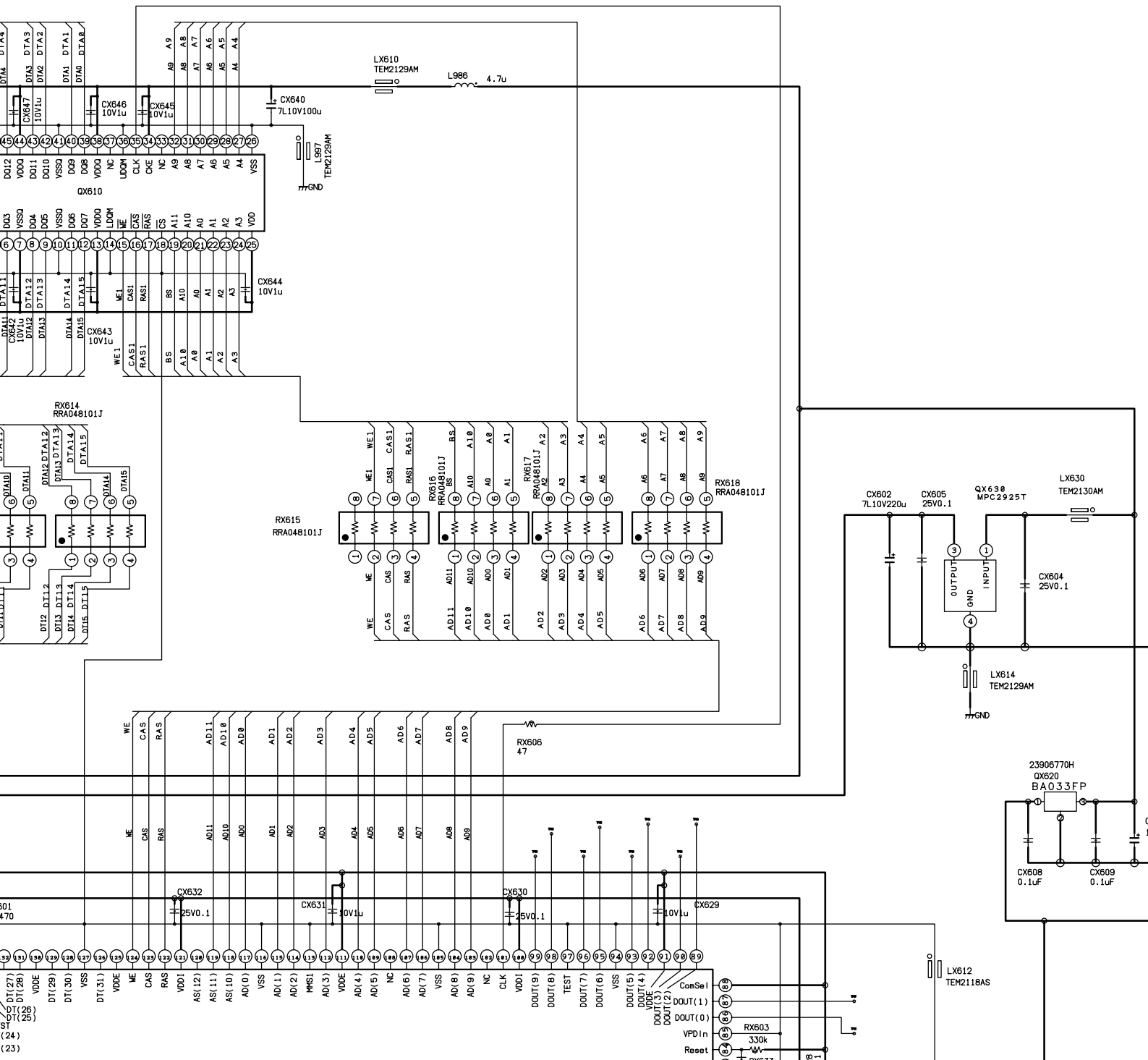
UPCON

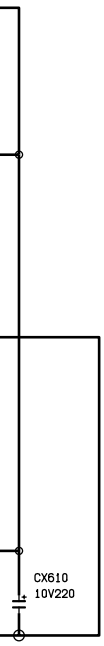
HV-SCALLER B





BLOCK

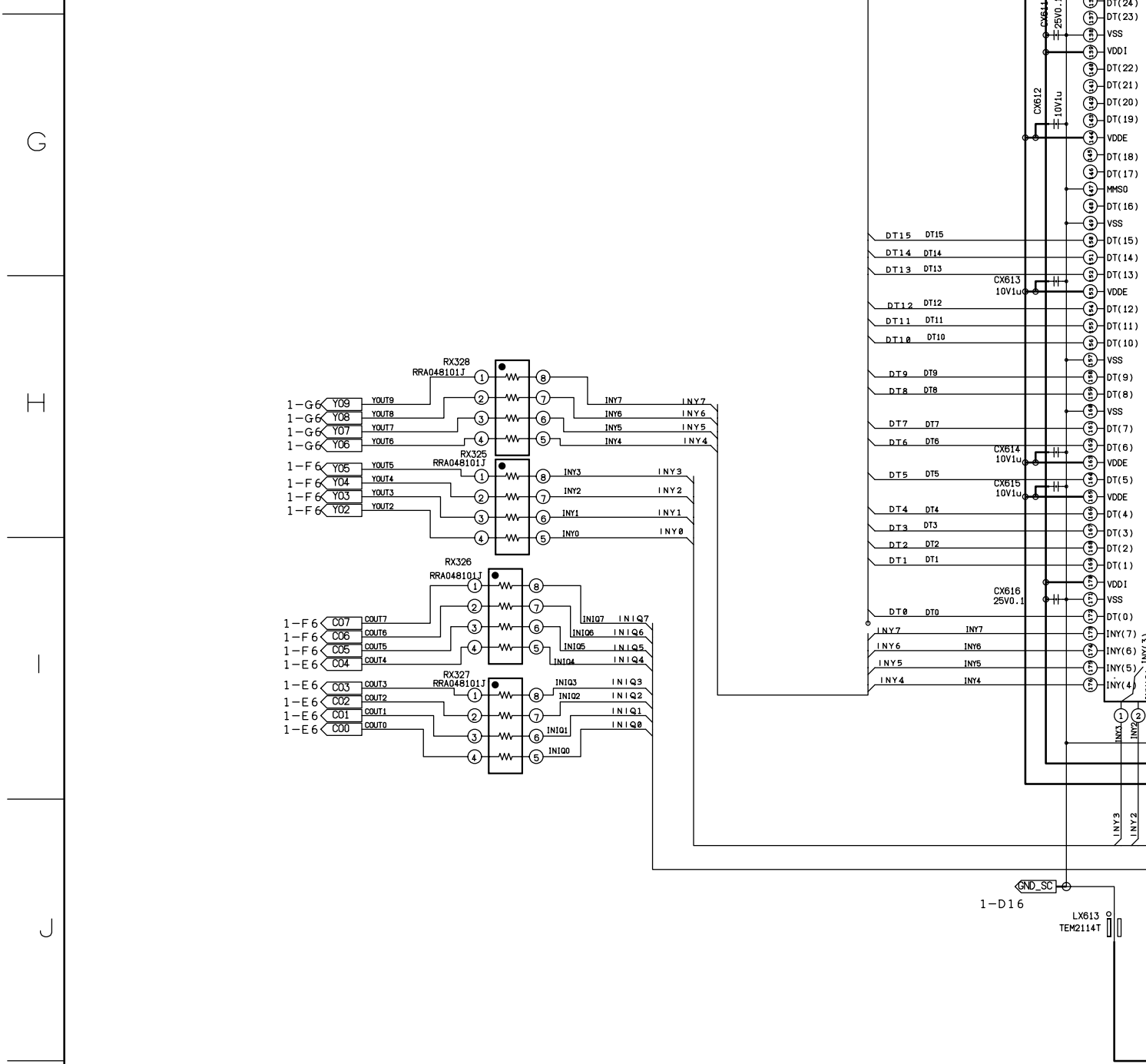

LX610
TEM2129AM
L986
4.7u
CX640
7L10V100u
CX646
10V1u
CX645
10V1u
CX647
10V1u
L997
TEM2129AM
GND
QX610
CX644
10V1u
CX643
10V1u
RX614
RRA048101J
RX615
RRA048101J
RX616
RRA048101J
RX617
RRA048101J
RX618
RRA048101J
CX602
7L10V220u
CX605
25V0.1
QX630
MPC2925T
OUTPUT
GND
INPUT
CX604
25V0.1
LX630
TEM2130AM
LX614
TEM2129AM
GND
RX606
47
23906770H
QX620
BA033FP
CX608
0.1uF
CX609
0.1uF
CX632
25V0.1
CX631
10V1u
CX630
25V0.1
CX629
10V1u
LX612
TEM2118AS
ComSel
DOUT(1)
DOUT(0)
VPDIn
Reset
RX603
330k

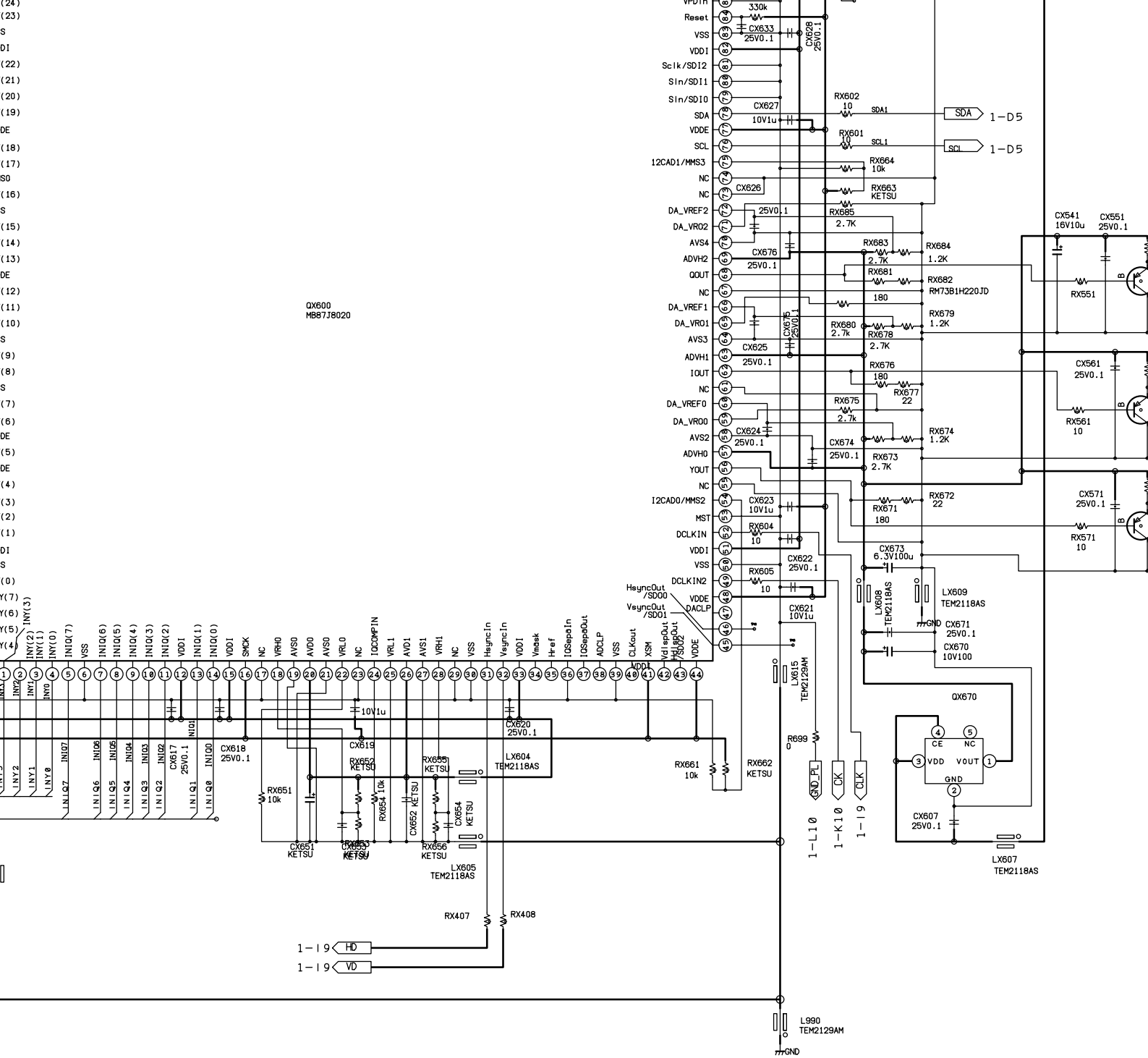


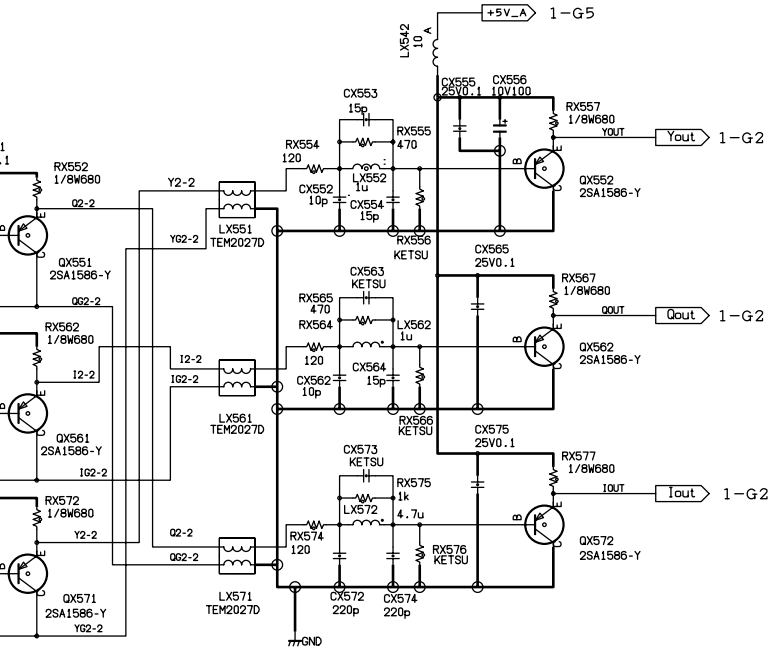
+5V_D 1-G5

13 14 15 16

A B C D E F


RX328
RRA048101J
RX325
RRA048101J
RX326
RRA048101J
RX327
RRA048101J
1-G6 Y09 YOUT9
1-G6 Y08 YOUT8
1-G6 Y07 YOUT7
1-G6 Y06 YOUT6
1-F6 Y05 YOUT5
1-F6 Y04 YOUT4
1-F6 Y03 YOUT3
1-F6 Y02 YOUT2
1-F6 C07 COUT7
1-F6 C06 COUT6
1-F6 C05 COUT5
1-E6 C04 COUT4
1-E6 C03 COUT3
1-E6 C02 COUT2
1-E6 C01 COUT1
1-E6 C00 COUT0
INY7 INY7
INY6 INY6
INY5 INY5
INY4 INY4
INY3 INY3
INY2 INY2
INY1 INY1
INY0 INY0
INIQ7 INIQ7
INIQ6 INIQ6
INIQ5 INIQ5
INIQ4 INIQ4
INIQ3 INIQ3
INIQ2 INIQ2
INIQ1 INIQ1
INIQ0 INIQ0
CX612 10V1u
CX613 10V1u
CX614 10V1u
CX615 10V1u
CX616 25V0.1
DT(24)
DT(23)
VSS
VDDI
DT(22)
DT(21)
DT(20)
DT(19)
VDDE
DT(18)
DT(17)
MMS0
DT(16)
VSS
DT(15)
DT(14)
DT(13)
VDDE
DT(12)
DT(11)
DT(10)
VSS
DT(9)
DT(8)
VSS
DT(7)
DT(6)
VDDE
DT(5)
VDDE
DT(4)
DT(3)
DT(2)
DT(1)
VDDI
VSS
DT(0)
INY(7)
INY(6)
INY(5)
INY(4)
GND_SC
1-D16
LX613 TEM2114T


QX600
MB87J8020
VPDTH
Reset
VSS
VDDI
Sclk/SDI2
Sln/SDI1
Sln/SDI0
SDA
VDDE
SCL
I2CAD1/MMS3
NC
NC
DA_VREF2
DA_VRO2
AVS4
ADVH2
QOUT
NC
DA_VREF1
DA_VRO1
AVS3
ADVH1
IOUT
NC
DA_VREF0
DA_VRO0
AVS2
ADVH0
YOUT
NC
I2CAD0/MMS2
MST
DCLKIN
VDDI
VSS
DCLKIN2
VDDE
DACLP
HsyncOut /SDO0
VsyncOut /SDO1
CLKout
XSM
VdispOut
HdispOut
SDO2
VDDE
330k
CX633 25V0.1
CX628 25V0.1
CX627 10V1u
RX602 10
SDA1
SDA
1-D5
RX601 10
SCL1
SCL
1-D5
RX664 10k
CX626
RX663 KETSU
RX685 2.7K
25V0.1
CX676 25V0.1
RX683 2.7K
RX684 1.2K
RX681 180
RX682 RM73B1H220JD
RX679 1.2K
RX680 2.7k
RX678 2.7K
CX675 25V0.1
CX625 25V0.1
RX676 180
RX677 22
RX675 2.7k
CX624 25V0.1
RX674 1.2K
CX674 25V0.1
RX673 2.7K
CX623 10V1u
RX672 22
RX671 180
RX604 10
CX622 25V0.1
CX673 6.3V100u
RX605 10
CX621 10V1u
LX608 TEM2118AS
LX609 TEM2118AS
GND
CX671 25V0.1
CX670 10V100
LX615 TEM2129AM
QX670
CE
NC
VDD
VOUT
GND
R699 0
GND_PL
CK
CLK
1-L10
1-K10
1-I9
CX607 25V0.1
LX607 TEM2118AS
CX541 16V10u
CX551 25V0.1
RX551
CX561 25V0.1
RX561 10
CX571 25V0.1
RX571 10
INY(3)
INY(2)
INY(1)
INY(0)
INY(7)
INY(6)
INY(5)
INY(4)
VSS
IN1Q(7)
IN1Q(6)
IN1Q(5)
IN1Q(4)
IN1Q(3)
IN1Q(2)
IN1Q(1)
IN1Q(0)
VDDI
SMCK
NC
VRH0
AVS0
AVD0
AVS0
VRL0
NC
IQCOMPIN
VRL1
AVD1
AVS1
VRH1
NC
VSS
HsyncIn
VsyncIn
VDDI
Vmask
Href
IQSepaIn
IQSepaOut
ADCLP
VSS
CLKout
XSM
VDDI
VdispOut
HdispOut
SDO2
VDDE
10V1u
CX617 25V0.1
CX618 25V0.1
CX619
CX620 25V0.1
LX604 TEM2118AS
RX659 KETSU
RX655 KETSU
RX651 10k
RX654 10k
CX652 KETSU
CX654 KETSU
CX651 KETSU
CX653 KETSU
RX656 KETSU
LX605 TEM2118AS
RX661 10k
RX662 KETSU
RX407
RX408
1-I9 HD
1-I9 VD
L990 TEM2129AM
GND


+5V_A
1-G5
LX542
10 A
CX555
25V0.1
CX556
10V100
CX553
15p
RX554
120
RX555
470
LX552
1u
CX552
10p
CX554
15p
RX556
KETSU
RX557
1/8W680
YOUT
Yout
1-G2
QX552
2SA1586-Y
Y2-2
LX551
TEM2027D
YG2-2
RX552
1/8W680
Q2-2
QX551
2SA1586-Y
QG2-2
CX565
25V0.1
CX563
KETSU
RX565
470
RX564
120
LX562
1u
CX562
10p
CX564
15p
RX566
KETSU
RX567
1/8W680
QOUT
Qout
1-G2
QX562
2SA1586-Y
I2-2
IG2-2
LX561
TEM2027D
RX562
1/8W680
I2-2
QX561
2SA1586-Y
IG2-2
CX575
25V0.1
CX573
KETSU
RX575
1k
LX572
4.7u
RX574
120
RX576
KETSU
RX577
1/8W680
IOUT
Iout
1-G2
QX572
2SA1586-Y
Q2-2
QG2-2
LX571
TEM2027D
RX572
1/8W680
Y2-2
QX571
2SA1586-Y
YG2-2
CX572
220p
CX574
220p
GND

LCD-PJ

HV-SCALL

UPCON
HV-SCALLER BLOCK
44A9UH/44A9UR

[SHEET-2]

G H I J K L

13 14 15 16